

SCH-a790 Series

A I I D i g i t a l
T E L E P H O N E

User Guide

Please read this guide before operating your phone, and keep it for future reference.

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SCH-a790 closed view



SCH-a790 open view



Quick Reference

1) PHONEBOOK

- 1) Find
- 2) New
- 3) Group
- 4) My Name Card
- 5) Send V-card
- 6) My Phone #
- 7) Memory Info
- 8) Delete All
- 9) View FDN

2) RECENT CALLS

- 1) Received
- 2) Dialed
- 3) Missed
- 4) Delete Call Logs
- 5) Call Timers

3) MESSAGES

- 1) New Text Msg
- 2) New Pix Msg
- 3) Voicemail
- 4) Inbox
- 5) Outbox
- 6) Saved/Draft
- 7) Web Alert
- 8) Msg Setting
- 9) Memory Info
- 0) Delete All

4) GET IT NOW

- 1) Launch Now

5) MOBILE WEB

- 1) Launch Web

6) MULTIMEDIA

- 1) Camera
- 2) Media Gallery

7) SETTINGS

- 1) Phone Mode
- 2) Profile
- 3) Display
- 4) Security
- 5) Call Options
- 6) Shortcut List
- 7) Location
- 8) GSM Services
- 9) Phone Info

8) PLANNER

- 1) Calendar
- 2) To Do List
- 3) Alarm Clock
- 4) Time/Date
- 5) Memo Pad
- 6) World Time
- 7) Calculator

9) VOICE KIT

- 1) Quick Dial
- 2) Voice Memo
- 3) Voice Setting



*Shortcut menu can be customized. Press the left soft key() Menu, then press  7 FQPS,  6 MNO.

Quick Reference (cont.)

Turn your phone on and off

Press and hold .

Enter/Exit Silent Mode

In standby mode, press and hold . To exit, press and hold .

Set call ringer volume

1. In standby mode, press the volume key on the left side of the phone.
2. Press the volume key up or down to set call ringer volume as desired.

View recent calls

In standby mode, press . Your recent calls appear in the display.

Change the wallpaper

1. In standby mode, press the left soft key () **Menu**, then press , , , .
2. Highlight the LCD (**Main** or **Sub**) you wish to change, then press .
3. Use the navigation up/down keys to navigate the wallpaper source, then press . You may need to repeat this step for sub menus.
4. Use the navigation left/right keys to select your choice of wallpaper.

Save a number (quickly)

1. In standby mode, enter the number to save using the keypad.
2. Press . With **New Entry** highlighted, press  again.
3. Select the number type using the navigation keys, then press .
4. Enter a name for the entry using the keypad, then press .

View software and hardware information for your phone

- In standby mode, press the left soft key () **Menu**, then press , . Software and hardware information for your phone appears in the display.

Introduction

Congratulations on your purchase of the Samsung SCH-a790 world phone. The SCH-a790 offers features such as a large, high-resolution display, PIM (Personal Information Manager) functions, a built-in digital camera, global functionality, and more. Please take time to read this guide and become familiar with your phone's many features.

Key features of the SCH-a790

- Global functionality
- High speed data (CDMA 2000 1X Technology)
- Global Positioning Technology (GPS)
- Large 176 x 220 pixel color display
- Digital Camera with Flash
- PIM functions (Scheduler, To Do List, etc.)
- Enhanced Message Service (EMS)
- 2-Way Short Message Service (SMS)
- Pix Messaging - Multimedia Messaging Service (MMS)
- Voice Activated Applications
- 64 Polyphonic Ringtones

How to use this guide

The chapters of this guide follow the same order as the menus and sub menus in your phone. A robust index for quick reference to most features begins on page 183.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 152.

If you still have questions, we'll be happy to answer them. Just call our Samsung Customer Care Center toll-free at 1.888.987.HELP (4357).

Notes, Tips, etc.

Occasionally, throughout this guide you will see icons and text set apart from the rest. These are intended to point out important information, quick methods for activating features, to define terms relative to the subject at hand, and more. The definitions for these methods are as follows:



Notes explain alternative options within the current feature, menu, or sub menu.



Tip: Tips provide quick or innovative methods for performing functions related to the current subject.



Fast facts are like snippets from the glossary. Fast facts provides definitions in context and close proximity to menu or feature in question.

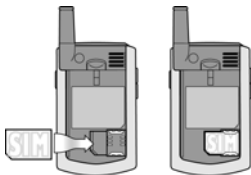


Important! Points out important information about the current feature that could significantly affect performance or damage to your phone.

Install the SIM card

Before you can use the GSM features in your phone, you'll need to install a SIM card. SIM cards are provided by Verizon Wireless.

1. With the battery removed from the phone, insert the SIM card face down into the slot provided.
2. Slide the SIM card as far as possible to the right, beneath the SIM card retaining brackets.



3. Once the card is securely inserted into the SIM slot, install the battery as outlined in the following section, then turn the phone on.

Remove the SIM card

Use the same procedure for removing the SIM card that was used to install the SIM card, only in reverse.



Install the battery

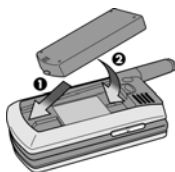


This phone comes packaged with a partially charged rechargeable standard Li-Ion battery and desktop charger.



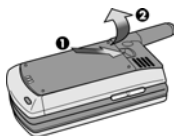
Important! Although the phone can be used while the battery is charging, the battery must be fully charged before first use, otherwise you could damage the battery.

1. Insert the bottom end of the battery into the phone housing with the label side down. The gold contacts on the end of the battery should match up with those on the phone.
2. Push the top end of the battery down until it snaps into place.



Remove the battery

1. Press and hold  to turn off the phone (if on).
2. Pull the battery release latch toward the top of the phone. The top of the battery should pop up.
3. Use your finger to lift the battery (top end first) up and away from the phone.



Charge the battery

Your phone is powered by a rechargeable standard Li-Ion battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. **Using other accessories may invalidate your warranty and may cause damage.**

Use the desktop charger

The desktop charger operates from a 120/220 VAC wall outlet. It also acts as a cradle to hold your phone in a convenient, easy-to-use position while charging.

1. Plug the AC plug from the desktop charger into a standard 120 VAC or 220 VAC wall outlet.
2. Slide your phone, bottom end first, into the desktop charger. Your phone begins charging.



You can use your phone while charging, however, the battery charges faster if the phone is turned off.

Battery indicator

The battery indicator () in the upper-right corner of the display indicates battery power level. Three bars indicate a full charge, while an empty battery icon () indicates an almost empty battery. Two to three minutes before the battery becomes too low to operate, a blinking empty battery icon () appears and a tone sounds. If you continue to operate the phone without charging, the phone shuts down. Be sure to monitor the battery strength icon and ensure your battery is adequately charged.

List of countries

The following table contains a list of countries that are compatible with the a790's GSM mode of operation at the time of this guide's publication. This list is subject to change.

Country	Country Code	Region	800 GSM Service?
United Kingdom	44	Europe	Y
France	33	Europe	Y
Italy	39	Europe	Y
Germany	49	Europe	Y
Japan ^a	81	Asia	N
Dominican Republic ^b	1-809	Caribbean	N
Jamaica ^a	1-876	Europe	N
Netherlands	31	Europe	Y
Spain	34	Caribbean	Y
Bahamas	1242	Caribbean	N
Hong Kong	842	Asia	Y
Peoples Republic of China	868	Asia	Y
Republic of China (Taiwan)	866	Asia	Y
Republic of Korea ^c	82	Asia	Y
Ireland	353	Europe	Y
Switzerland	41	Europe	Y
Australia	61	Oceania	Y
Brazil	55	S. America	Y
Costa Rica	506	S. America	N
India	91	Asia	Y
Thailand	66	Asia	Y
Singapore	65	Asia	Y
Belgium	32	Europe	Y

Country	Country Code	Region	800 GSM Service?
Greece	30	Europe	Y
El Salvador	503	C. America	N

- Not GSM network, however, PDC technology is compatible with the a790
- GSM Service in the 1900 Band
- CDMA Roaming exists, however, country code is necessary for dialing



To view a full list of countries, visit the Verizon Wireless web site at www.vzw.com/???????

Understand your phone

The antenna

Avoid touching the antenna while the phone is on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than necessary.

Backlight features

You can choose the amount of time that the display and backlight remain illuminated after a period of inactivity. Keep in mind that increasing these settings reduces battery life.



Folder Open enables the keypad or display backlight to remain on as long as the folder is open.

1. In standby mode, press the left soft key () **Menu**.
2. Press  ,  ,  for **Backlight**. The following backlight options appear in the display.

Lcd

Keypad

Power save

3. Use the navigation key to highlight **Lcd** or **Keypad**, then press .
4. Use the navigation key to highlight the amount of time that you wish the keypad or display to remain illuminated after a period of inactivity, then press .

Power save mode

Unless the backlight setting for the LCD has been changed, the backlight dims after a minute of inactivity, and then turns off. With **Power save** enabled, the backlight for the LCD is always dim. After 60 seconds of inactivity, **Power save** turns the backlight off. To enable or disable **Power save**:

1. In standby mode, press the left soft key () **Menu**.
2. Press , ,  for **Backlight**. The following backlight options appear in the display.

Lcd

Keypad

Power save

3. Use the navigation key to highlight **Power save**, then press . **Off** and **On** appear in the display.
4. Use the navigation key to highlight **On** or **Off**, then press .

Left soft key

Functions for the left soft key () are defined by what appears above it in the display. Some functions of the left soft key are as follows.

- Press the left soft key () **Menu** to enter the main menu.
- Press the left soft key () **Option** to view options in some features.
- Press () to acknowledge browser charges and other prompts.

Right soft key

Functions for the right soft key () are defined by what appears above it in the display. The right and left soft keys are located on opposing sides of the navigation key.

- Press the right soft key () **Back** to return to the standby mode from any main menu.
- Press the right soft key () **Back** to return to the previous menu from a sub menu.
- In standby mode, press the right soft key () **Contacts** to open your Contacts list.
- In camera mode, press the right soft key () **Gallery** to view stored pictures.

Clear key

The CLR key () is used to erase or clear numbers from the display. You can also use  to return to a previous menu or to return to standby mode from any menu.

- If you enter an incorrect character, briefly press  to backspace (and delete) the character.
- To erase all digits or characters from the display screen, press and hold .
- To back up one menu level, briefly press .
- To return to standby mode from any menu, press and hold  until you return to standby mode.

Camera hot key

The camera hot key () , on the right side of the phone, activates the camera menu from standby mode.

- With the flip open, briefly press the camera hot key () to open the camera menu.
- With the flip closed, press and hold the camera hot key () to activate the camera.

End key

- Press and hold  to turn on your phone.
- Press and hold  to turn off your phone.
- Briefly press  once to disconnect a call, return to standby mode, or cancel any input.

Headset connector

The headset connector, located on top of the phone next to the antenna, is the input jack for the optional hands-free headset. The headset includes an earbud and microphone in a convenient, lightweight unit so you can talk without using your hands.

- Before connecting the headset, gently slide open the cover for the input jack to expose the connector inside.

Service LED

The Service LED on the front flip has the following functions.

- Flashes to indicate an incoming call or message.
- Lights momentarily when you power up the phone and flashes red when the phone is in need of a charge.
- Green indicates you are in service in your coverage area.

Turn the Service LED on or off

1. In standby mode, press the left soft key **Menu**, then press , , . **Off** and **On** appear in the display.
2. Use the navigation key to highlight your preference, then press .

Microphone

The microphone is located next to the charger/ accessory input jack on the bottom end of the phone.



Microphone

Alpha-Numeric keypad

Use the alpha-numeric keypad to enter text, numbers, and special characters.

Earpiece

The earpiece, located on the inside of the flip above the display, plays sounds such as key tones and alerts.



Speaker

The speaker is on back of the phone, above and to the right of the battery. The speaker plays sounds such as ring tones and alerts, but at a volume higher than the earpiece.

SEND key

The SEND key () is used to answer calls, dial calls, and to recall the last number(s) dialed or received.

- Press  once to answer calls.
- Enter a number and press  once to connect a call.
- Press  once in standby mode to display the most recently dialed number.
- Press  twice in standby mode to call the most recently dialed number.

Navigation key



Use the directional keys on the navigation key to browse menus, sub menus, and lists. Each key also acts as a shortcut to launch applications. The up navigation key is user definable. Press  when replying to prompts, and jumping to highlighted links on the web.

Camera key

The camera key () opens the camera menu from standby mode.

- In standby mode, briefly press  to open the camera menu, then press  to activate the camera.

OR

- In standby mode, press and hold  to activate the camera.

Get It Now

Download games, ring tones, e-mail and more using **Get It Now**. For airtime charges, contact Verizon Wireless.

1. In standby mode, press the right navigation key (). The shopping cart icon () appears in the upper left corner of the display.
2. Press . A message appears in the display informing you that browsing and downloading apps uses airtime.
3. Press  (**Start**). After connecting, the following **Get It Now** options appear in the display.
 - **What's New**
 - **Get Games**
 - **Get Tones**
 - **Get Going**
 - **Get Pix**
 - **Get Fun**
 - **Get Mail**
 - **Enter Keywords**

4. Highlight your choice with the navigation key, then press . Follow the instructions on the display.

External (Sub) LCD

The external (Sub) LCD is the full-color display that can be used when the flip is closed. The external LCD displays caller information, signal and battery strength, as well as other indicators of status. You can even use the external LCD as a viewfinder for the camera when taking pix with the flip closed.

- To turn on the backlight for the external LCD, which allows you to view the display in full-color, just press and hold either of the volume keys.
- To take a picture with the flip closed, press and hold the camera hot key () on the right side of the phone. The camera activates and the external LCD acts as a viewfinder. To snap a picture, just press the camera hot key () again.

Your phone's display

The top line of the display is reserved for icons that indicate network status, battery power, signal strength, and more. The following table lists the display icons and their descriptions.

Display icons



Signal strength: Always appears when your phone is on and indicates the current signal strength. More lines indicate a stronger signal.



Auto Answer: Automatic answer is enabled. Your phone automatically picks up any calls after the designated time.



GSM (Int'l) mode: Your phone is in GSM (Int'l) mode. GSM (Int'l) mode is for operation outside of the United States.



In Use: Indicates a call in progress. When dialing a number, this icon flashes until the call connects.



No service indicator: Your phone cannot find a signal because you're outside a service area. You cannot make or receive calls. Wait for a signal or move to an open area to find a signal. This indicator always appears when you first turn on your phone and disappears once service is located.



Roaming indicator: Your phone is outside your home area. While roaming, another wireless provider may be handling your call. The service rate for the call may be higher than those made from within your home area. Please refer to Verizon Wireless for roaming rates.



New Message: You've received a new text, page or web alert message. You're also notified of a new message by animations and sound.



Voice Mail: You have one or more unread voice mail messages in your voice mailbox.



1X Protocol: Indicates your phone is using the 1X protocol. The 1X protocol is capable of high-speed data (3G).



IS95-2G (Digital) Protocol: Your phone is using the IS95-2G protocol. This protocol is incapable of high speed data.



Vibrate mode: Your phone vibrates upon receiving a call.



Battery strength: More black bars indicate a greater charge. When the battery is low, an empty battery icon flashes and the phone sounds an alert, which indicates your phone is about to shut down.



Alarm clock: The alarm clock is set.



Ringer off: Your phones call ringer is turned off.



Ringer On: Your phones call ringer is turned on.



GPS (911 only): Global Positioning Service (GPS) for 911 is set to on for emergency calls only.



GPS: Global Positioning Service is on for location.



Silent mode: Indicates your phone is in silent mode. The ringer is silenced for all alerts, incoming calls, and incoming messages. The phone alerts you of incoming calls, alerts, or messages by vibration and a flashing Service LED.

Dialogue boxes

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low memory. Dialogue boxes and their definitions are outlined in the following table.

Icon	Category	Examples
 Question	Choice	"Save message draft?"
	Reconfirm	"Delete all received messages?"
 Information	Performing	"Sending..." "Connecting..."
	Completed	"Message sent successfully!"
	Information	"New Message"
 Warning	Error	"System error!"
	Warning	"Battery Low," "Memory Full!"

Get Started

Obtain service for your phone

Contact Verizon Wireless and follow their instructions for obtaining service, if necessary. We suggest that you read this guide to fully understand the services your phone supports.

Turn your phone on

- Open the flip, then press and hold  for two or more seconds.



As with any other radio-transmitting device, do not touch the antenna as it affects call quality and may cause the phone to operate at a higher power level than is necessary.

5. **Verizon Wireless** momentarily appears in the display and the phone begins searching for a network signal.
6. Once the phone finds a signal, the time, date, and day appear in the bottom of the display.
7. You're now ready to place and receive calls.

If the phone is outside of your carrier's coverage or roaming area,  appears in the top of the display. If you cannot place or receive calls, try later when service is available.

Turn your phone off

- Press and hold  for two or more seconds. Your phone powers off.



If your phone is on and you press  for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

Switch operational modes

Your phone is capable of operating in a number of countries. While in the United States, use your phone in **Verizon (CDMA)** mode. Outside of the United States, use your phone in **Int'l (GSM)** mode. Switching between the two modes is simple, as outlined in the following steps.

Switch modes

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Phone Mode**. The following options appear in the display.

Verizon (CDMA) Int'l (GSM)

2. Use the navigation keys to highlight the desired mode of operation, then press . A dialogue box appears in the display asking if you wish to change modes.
3. Press the left soft key () **Yes** to change modes, or press the right soft key () **No** to return to the **Phone Mode** options list.
4. If you pressed **Yes**, the phone restarts and powers up in the selected mode of operation.

Text entry mode

Enter content using any of the four text entry modes.

1. At any text entry screen, press left soft key () **Option**. A pop-up menu appears in the display with **ABC** highlighted.
2. Use the left/right navigation keys to display the optional text entry modes of **123**, **T9 Word**, and **Symbol**.
3. Once the desired method of text entry appears, press  to use that mode of text entry in your message.

Standby mode

Standby is the state of the phone once it has found service and is idle. The phone goes into standby:

- After you power it on.
 - When you press  after a call.
 - Anytime you press  while browsing your phone's menus and sub menus.
1. While in standby mode, enter a phone number, then press  to place a call.
 2. Press  to return to standby mode.

Silent mode

Silence the tones your keypad makes whenever you press a key using the **Silent Mode** feature.

Enter Silent mode

- In standby mode, press and hold . **Entering Silent Mode** briefly appears in the display and your phone returns to standby mode.

Exit silent mode

- In standby mode, press and hold . **Exiting Silent Mode** briefly appears in the display and your phone returns to standby mode.

Vibrate mode

- In standby mode, repeatedly press the volume key () down until **Vibrate** appears in the display. The volume key is on the left side of phone, next to the SEND key ().

Ringer volume



1. In standby mode, repeatedly press the volume key () on the left side of the phone up or down. Options are:
 - **Silent**
 - **1-Beep**
 - **Vibrate**
 - **Vibrate+Ring**
 - **Level 1**
 - **Level 2**
 - **Level 3**
 - **Level 4**
 - **Level 5**
2. Press  to save the setting. The phone returns to standby mode.



The vibrate icon () appears in the display when the phone is in **Vibrate** or **Vibrate+Ring** mode.

Place calls

1. With the phone on, enter the number you wish to call using the keypad.
2. Press  to place the call.

Receive calls

When you receive a call, the phone displays one of the following, as well as the incoming call icon ()

- If the caller can be identified, the caller's number (or name if it's in your Phonebook) appears in the display.
- If the caller can't be identified, **Call from unavailable #**, **Call from restricted #**, or no number appears in the display.



Tip: Assign pictures to Phonebook entries. The entry's assigned picture appears in the display when you receive a call from that entry. See "Assign a picture to a Phonebook entry" on page 40.

The phone continues to notify you of the call until one of the following events occur:

- You answer the call.
- The calling party ends the call.
- The call is sent to voicemail.

Call the U.S. from another country

1. Press  twice to display the “+” symbol. The “+” symbol automatically inserts the exit code for the country *from which you are calling*.
2. Press , then enter the area code and the phone number that you wish to call.
3. Press . The number is dialed.

Call another country from the U.S.

1. Press  twice to display the “+” symbol. The “+” symbol automatically inserts the three-digit exit code (011) necessary for calling a number outside the United States.
2. Enter the country code for the country that you are calling. The following table lists a number of country codes. A list of all country codes can be found at [<VZW website>](#).

Country/Code	Country/Code	Country/Code
United Kingdom/44	France/33	Italy/39
Germany/49	Japan/81	Dominican Republic/1809
Jamaica/1876	Netherlands/31	Spain/34
Bahamas/1242	Hong Kong/852	Republic of Korea/82

Country/Code	Country/Code	Country/Code
People's Republic of China/868	Republic of China - Taiwan/886	Ireland/353
Switzerland/41	Australia/61	Brazil/55
Costa Rica/506	India/91	Thailand/66
Singapore/65	Belgium/32	Greece/30
El Salvador/503		

Call notification features

Your phone notifies you of calls in a variety of ways.

- Nine ring volume settings including **1- beep**, **Vibrate**, **Silent**, or **Vibrate+Ring**.
- Different ring types to distinguish callers.
- Name display with Caller ID. (If the caller's name is programmed into your Phonebook).
- Incoming or missed calls are automatically stored to a call log. The last 20 calls you answered are stored in an Incoming call log list and the last 20 calls you missed are stored in a Missed call log list.

Silence an incoming ringer

- During an incoming call, press the up or down volume key to silence the ringer.

Reject an incoming call

Ignored calls are immediately forwarded to voice mail.

- During an incoming call, press the right soft key () **Reject**. The call is forwarded to your voice mailbox.

Voice Mail

Voice mail allows callers to leave voice messages, which can be retrieved at any time.

Voice mail setup

Before callers can leave messages in your voice mailbox, you'll first need to set up your account.

1. In standby mode, press and hold  to dial voice mail.
2. Follow the recorded prompts to set up your voice mail account.



Once you're voice mail account has been set up, you can use the **Voice** folder (under the **Message** menu) to view details of voice messages in your voice mailbox. See "Voicemail" on page 76 for more information.

Listen to voice mail

1. In standby mode, press and hold  to dial voice mail. After connecting, a recorded message prompts you to enter your password.
2. Enter your password, then press .
3. Follow the recorded prompts to listen to your voice messages, change administrative options, and so on.

Menu navigation

Access menus and sub menus using the navigation key in tandem with the soft keys ( ), or use a shortcut.

1. In standby mode press the left soft key () **Menu**.
The first of several menus appear in the display.



When you press the left soft key () **Menu**, more than one menu may appear in the display. This setting can be modified in the **Settings > Display > Style** sub menu.

2. Use the navigation keys to browse phone menus.
3. Press  to enter the menu or sub menu that appears in the display.

Return to the previous menu

- Press the right soft key () **Back** to return to the previous menu
- If **Back** does not appear in the display, press  to return to the previous menu.

Navigate using shortcuts

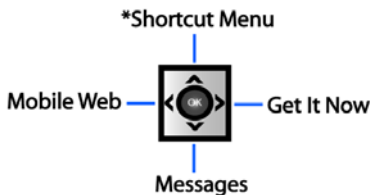
You can also access menus and sub menus using menu numbers. This method is often called the “shortcut” method. To shortcut to a menu or sub menu, press the left soft key () **Menu**, then enter the corresponding menu/sub menu number(s) for the feature in question. Use the list of menus and sub menus, which begins on page 26, for shortcuts.

1. In standby mode, press the left soft key **Menu** ()
2. Press the number of the menu, sub menu, and so on to arrive at the desired feature.

Example: Press the left soft key () for **Menu**, then press , . This takes you to the **Planner** (Menu 8), then to the **To Do List** (sub menu 2).

Navigation Key shortcuts

In standby mode, press a navigation key to launch its corresponding application.



***Shortcut menu** can be customized. Press the left soft key() **Menu**, then press , .

The In-Use Menu

Access numerous menus and features even while in a call.

1. While in a call, press the left soft key **Menu** (). The menu items in the following table appear in the display.

In-Use Menu	Function
Mute/Unmute	Mute (if not muted) or unmute (if muted) the current call. When you mute a call, the person on the other end of the line cannot hear you.
Recent Calls	Display your recent incoming and outgoing calls.
Phonebook	Open the Phonebook and view contacts.
Silent/Quit	Silence keypad tones.
Send tel number	Send your phone number (if you're the recipient of the call). Send the recipient's phone number (if you're the originator of the call).
My phone #	Display the phone number assigned to your phone by Verizon Wireless.
Version	View the software and hardware version information for your phone.
Voice Privacy	Prevent recipients of your calls from seeing your number on their display.
Location	Turn your GPS location on or set GPS location for emergency calls only.
Send DTMF	Send your phone number as tones (if you're the recipient of the call). Send the recipient's phone number as tones (if you're the originator of the call).
Launch Now	Launch the Mobile Web application.

2. Use the navigation key to highlight a menu. Press  to open the highlighted menu or to activate the feature.

Menu Shortcuts

Use shortcuts to quickly access menus and sub menus.

Press the left soft key () **Menu**, then press the number to the right of the menu to jump to the desired menu, sub menu, or feature. For example, to jump to the **Outbox** sub menu, press the left soft key () , then press  , .

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4) Alerts

5) Power On/Off

6) Roam Ringer

7) Whisper

8) Folder Sound

MEETING (EDIT)

1) Volume/Vibrate

2) Ringer Type

3) Key Beep

4) Alerts

5) Power On/Off

6) Roam Ringer

7) Whisper

8) Folder Sound

DRIVE (EDIT)

1) Volume/Vibrate

2) Ringer Type

3) Key Beep

4) Alerts

5) Power On/Off

6) Roam Ringer

7) Whisper

8) Folder Sound

OUTDOOR (EDIT)

1) Volume/Vibrate

2) Ringer Type

3) Key Beep

4) Alerts

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Phonebook

Up to 500 entries can be stored into phone memory, while another 255 entries can be stored on the SIM card. Each entry can have up to five associated numbers and two e-mail addresses. Each phone number can be up to 32 digits long, including hard pauses, while associated names and e-mail addresses can be up to sixteen characters long. The memory (speed dial) location of your choice for each entry can also be specified. Memory locations can be marked secret to prevent unauthorized viewing.



Entries saved to the SIM card can be viewed or moved to your Phonebook while in Verizon (CDMA) mode, but in order to do so will need to be in **Int'l** (GSM) mode.



Locations **311**, **411**, **611**, or **911** are reserved for emergency numbers and cannot be changed.



Tip: 1-Touch, 2-Touch, and 3-Touch dialing allows you to call numbers stored in your Phonebook quicker.

Open Contacts

From standby mode, you can quickly open the contacts list that you've entered into your Phonebook.

- In standby mode, press the right soft key () **Contacts**. Your list of Phonebook entries appears in the display.



The SIM card and phone icon () appears to the right of any entries stored on the SIM card.

Open the Phonebook menu

The Phonebook menu provides access to powerful features such as adding Groups, creating and sending V-cards, and viewing the number assigned to your phone by Verizon Wireless.

1. In standby mode, press the right soft key () **Menu**, then press  for **Phonebook**. The Phonebook sub menus and options listed in the following table appear in the display.

Menu	Function
Find	Find a phone number By Name, By Entry, or By Group.
New	Add a number, e-mail, or web address to your Phonebook.
Group	Rename one of your five groups.
My Name Card	Create a business card, which can be sent to others as an attachment.
Send V-card	Send your Name Card or an entry in your Phonebook to a compatible phone.
My Phone #	View the 10-digit number assigned to your phone by Verizon Wireless.
Memory Info	Display available memory for dial and voice dial entries.
Delete All	Delete all of your Phonebook entries.
View FDN	View your list of Fixed Dialing Numbers (if any).

2. Use the navigation key to highlight the Phonebook menu of your choice, then press .

Edit a Phonebook entry

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.

2. Use the navigation key to display the search method that you wish to use (**By Name**, **By Entry**, **By Group**, or **Sim Only**).
3. Enter information to find the entry, or use the navigation key to highlight the entry that you wish to edit.
4. Once the entry is highlighted, press .
5. Use the navigation key to highlight the number, e-mail address, or other field that you wish to edit, then press the left soft key () **Option**.
6. A pop-up menu appears in the display with **Edit** highlighted. Press .
 - Press  to backspace and delete numbers, text, or symbols.
 - Press and hold  to clear all numbers in the highlighted field.
 - Use the keypad to re-enter numbers, text, or symbols.
7. When you're finished editing the entry, press . Your changes are saved and a confirmation message appears in the display.

Pauses

Calls to automated systems (like banking services) often require a password or account number. Instead of manually entering numbers each time, you can store numbers to your Phonebook along with special characters called pauses.

- **P pause:** A hard pause stops the calling sequence until further input from you.
- **T pause:** A two-second pause stops the calling sequence for two seconds and then automatically sends the remaining digits.



Entering multiple two-second pauses extends the length of a pause. For example, two consecutive two-second pauses cause a total pause time of four seconds. Keep in mind pauses count as digits towards the 32-digit maximum.

Store pauses to a Phonebook entry

1. In standby mode, enter the number you wish to store.
2. Press the left soft key () **Option**. The following pause menu options appear in the display.

P pause **T pause**



P pause is a hard pause (awaits input from you) and
T pause is a two-second pause.

3. Use the navigation key to highlight the pause option of your choice
4. Press  to enter the highlighted pause into your number sequence.
5. When you're finished entering numbers and pauses, press  to store the number to your Phonebook.

Pause dial from the Phonebook

1. If you stored the number using (two-second) T pause(s), simply recall the number from the Phonebook.
2. If you stored the number using (hard) P pause(s), recall the number from the **Phonebook** and wait for the appropriate prompt from the number you are calling (credit card number, bank account number, etc.).
3. Press  to dial the number.

Manual pause calling

To manually call a number with pause(s) without storing it to the Phonebook:

1. Enter the number you wish to call.
2. Press the left soft key () **Option** to display the pause option pop-up menu.
3. Use the navigation key to highlight the desired pause option.
4. Press  to enter the highlighted pause into your number sequence.
5. Press  to call the number.



Tip: Store pauses along with the number if you plan to call the number frequently.

Erase individual Phonebook entries

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.
2. Use the left/right navigation keys to display the search method that you wish to use (**By Name**, **By Group**, etc.).
3. Enter information to find the entry, or use the navigation key to highlight the entry that you wish to erase.
4. Press .
5. Once the entry is highlighted, press the left soft key  **Option**. A pop-up menu with the following menu items appears in the display

Edit

Delete

6. Use the navigation key to highlight **Delete**, then press . You're prompted to confirm the erasure.
7. Highlight **Yes** or **No**, then press .

Speed dialing

Speed dialing allows you to press and hold a single key to dial the phone number associated with that key. There are three types of speed dialing; 1-touch, 2-touch, and 3-touch dialing.

1-touch dialing

Call the phone numbers assigned to memory locations 002 - 009 by pressing and holding the key. For example, to speed dial the number assigned to location 2, press and hold  until the name and number appear in the display and the number is dialed.



The  key is reserved for Voicemail.

2-touch dialing

Call phone numbers assigned to keys 010 through 099 by briefly pressing the first key, then pressing and holding the second key. For example, to speed dial the number assigned to 013, briefly press , then press and hold  until the number is dialed.

3-touch dialing

Call phone numbers assigned to memory locations 100 through 500 by briefly pressing the first and second keys, then pressing and holding the third key. For example, to dial location number 113, briefly press , , then press and hold  until the number is dialed.

Assign a speed dial location

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.
2. Use the left/right navigation keys to display and select the **FIND** method (**By Name**, **By Group**, or **By Entry**).
3. Enter information into the **FIND** dialogue box to find the entry, or use the navigation keys to browse and highlight the desired entry.
4. Once the desired entry is highlighted, press .
5. Use the navigation keys to highlight the speed dial location field, which
6. Press the left soft key () **Edit**.
7. Enter the **SpeedDial** location using the keypad.



You can also use the left and right navigation keys to browse empty speed dial locations.

8. Press  to save your changes.

Assign speed dial type to an entry

If you have more than one number (or type, such as **Mobile** or **Office**) for a Phonebook entry, you can select which number you wish to be dialed when speed dialing the entry.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.
2. Use the navigation key to select the find method (**By Name**, **By Group**, or **By Entry**).
3. Enter information to find the entry, or use the navigation key to highlight the desired entry.

4. Press .
5. Use the navigation key to highlight the **SpeedDial** field, then press the left soft key () **Edit**.
6. Use the left and right navigation keys to select the desired number (type) for speed dialing.
7. Press . Your changes are saved.

Assign a picture to a Phonebook entry

When you assign a picture to a Phonebook entry, the picture that you assigned to the entry appears in the display when you receive a call from the entry.



This option is available only if you have saved pictures to the **Photo ID** gallery. You can save pictures to the **Default Gallery** or **Photo ID** gallery when you take a picture.

1. In standby mode, press the left soft key **Menu**, then press , , , . The **Photo ID** gallery opens.
2. Use the navigation key to display the picture that you wish to assign to the Phonebook entry.
3. Press the left soft key () **Option**. A pop-up menu appears in the display.
4. Use the navigation key to highlight **Assign**, then press .
5. Use the navigation key to highlight **Phonebook**, then press . Your Phonebook appears in the display.
6. Use the navigation key to highlight the entry that you wish to assign the picture, then press .

7. Use the left/right navigation keys to select the type to which you wish to assign the picture, then press . The picture is assigned to the selected entry.

Store numbers after a call

Once you've finished a call, you can store the number of the caller to your Phonebook.



If the call was incoming and Caller ID information was unavailable, then the store option is also unavailable.

1. After you press  to end your call, the call time, length of call, phone number, and name of the party (if available) appears in the display.
2. Press the right soft key () **Save**. You're prompted to confirm this as a **New Entry**, or **Find** a name in your Phonebook with which to associate the number.
3. Follow the screen prompts to designate other information.

Shortcuts to storing phone numbers

Store a phone number by entering the number in standby mode, then pressing . Follow the screen prompts to designate other information. You can also save a number after an incoming or outgoing call.

Manage the SIM Phonebook

Up to 255 entries can be stored on the SIM card provided by Verizon Wireless. You can view entries stored on the SIM card, and even copy them to the Phonebook while in Verizon (CDMA) mode. However, to edit or save entries to the SIM card, you must be in Int'l (GSM) mode.

Store new entries to the SIM card

1. With the phone in Int'l (GSM) mode (and in standby mode), enter the number that you wish to store to the SIM card.
2. Press  (**Save**). A pop-up menu appears in the display with **New Entry** highlighted.
3. Press . The **Select Type** screen appears in the display.
4. Press the left or right navigation key until **SIM** appears in the display, then press .
5. Enter a name for the entry that you are storing to the SIM card using the keypad.
 - Press the left soft key () **Option** to display a pop-up menu that allows you to choose alternative methods of text entry such as **T9 Word** and **Symbol**, if desired.
6. After entering a name for the entry, highlight the location field using the navigation key.
7. Use the left/right navigation keys to change the location number. Otherwise, press  to save the entry to your SIM card with the location number unchanged.

Edit, Delete, or Copy SIM card entries

1. With the phone in Int'l (GSM) mode (and in standby mode), press the right soft key () **Contacts**. The list of entries stored to your Phonebook and SIM card appear as a list in the display.



The SIM card and phone icon () appears to the right of any entries stored on the SIM card.

2. Use the navigation key to highlight the SIM entry that you wish to edit or delete.
3. Press the left soft key () **Option**. A pop-up menu with the options listed in the following table appears in the display.

Option	Function
New	Store a new entry to the Phonebook or SIM card.
Find	Find entries stored in the Phonebook or the SIM card.
Edit	Edit information for the highlighted entry.
Delete	Delete the highlighted entry.
Mark & Delete	Mark several entries and then delete them all at once.
Copy to Phonebook	Copy the SIM entry to the Phonebook.

4. Use the navigation key to highlight the desired option, then press  to perform the function for the highlighted option.

Find

If you've stored a name entry in your Phonebook, **Find** allows you to locate it quickly.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.
2. Use the left/right navigation keys to select the method by which to find the entry. The options listed in the following table appear in the display.

Find	Function
By Name	Search the Phonebook alphabetically by name. Enter the name of the person as they are entered in your Phonebook (last name first, etc.).
By Entry	Search the Phonebook by entry number. This is the same number as is assigned to Speed dial (002, 003, etc.).
By Group	Search the Phonebook by selecting from one of the five available groups. This option only works if you've added entries to one of the groups.
SIM Only	Search for entries on the SIM card (only).

More information on each of these methods is available in the following sections.

By Name

1. Enter the name of the person *as they are entered in your Phonebook*. For example, if you saved the name as Amy Smith, begin the search by pressing  (for "A").

As you enter characters, the closest matches to the characters that you enter appear in the display.

- When the desired entry appears in the display, highlight the entry using the navigation key.
- Press  to dial the number associated with the name.
- Press  to view information about the entry.
- Press the left soft key () **Option** to display the options listed in the following table.

Option	Description
Edit	Edit details of the highlighted name.
Delete	Erase the name and associated information.

- Use the navigation key to highlight an option, then press  to enter the highlighted option's sub menu.

By Entry

This option allows you to find a stored entry by location (or speed dial) number.

- In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.
- Use the left/right navigation keys to display **by Entry**.
- Enter the location number using the keypad. Entries appear in the display below the entry field.
- Use the navigation key to highlight the entry. Press  to display information about the entry.
- Press the left soft key () **Option** to display the options listed in the following table.

Option	Description
Edit	Edit details of the highlighted name
Delete	Erase the Name and associated information

6. Use the navigation up/down keys to highlight an option, then press  to enter the option's sub menu.

By Group

This option allows you to find a stored entry in a related group.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.
2. Use the left/right navigation keys to display **By Group**.
3. Press the navigation key down briefly to highlight the group field.
4. Use the left/right navigation keys to display the group that you wish to search. As each group appears in the display, entries assigned to the displayed group appear in the display beneath.
5. Use the navigation key to highlight the desired entry.
6. Press  to display information about the entry.
7. Press the left soft key () **Option** to display the options listed in the following table.

Option	Description
Edit	Edit details of the highlighted name
Delete	Erase the Name and associated information

8. Use the navigation up/down keys to highlight an option, then press  to enter that option's sub menu.

SIM Only

Use this option to find entries stored solely on your Verizon Wireless SIM card.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Find**.
2. Use the left/right navigation keys to display **SIM Only**. Any entries stored to your SIM card appear in the display.
3. If you have a large number of entries stored on your SIM card, use the keypad to enter search criteria in the dialogue box that appears beneath **SIM Only**. Otherwise, use the navigation keys to highlight the desired SIM entry.
4. Press  to open the highlighted entry and view other information, if desired. Press  if you wish to dial the highlighted entry.

New

When you add information to your Phonebook, you can add it as a new entry or as an existing entry.

Method 1

1. In standby mode, press the left soft key () **Menu**, then press ,  for **New**. The Phonebook opens with the cursor blinking in the name field.
2. Enter a name for the entry using the keypad.
3. Use the navigation key to highlight the speed dial entry field ( [002] ). Use the left/right navigation keys to select an available speed dial location, if desired.

4. Use the navigation key to highlight the appropriate type field. (**Mobile**, **Home**, **Office**, **E-mail**, etc.). Once the appropriate type is highlighted, use the keypad to enter the required information.
5. Use the navigation key to highlight other type fields, if desired. Then enter information into the type field using the keypad.



Once you've entered a character into any of the type fields, press the left soft key () **Option** to display a pop-up menu which allows you to enter a **P Pause** or **T Pause**.

6. When you're finished entering information for the entry, press  to save the entry to your Phonebook.

Method 2

You can add new numbers to the Phonebook by simply entering the number while the phone is in standby mode, then following the necessary prompts to complete the process.

1. In standby mode, enter the number that you wish to save using the keypad, then press . You're prompted to select from **New Entry** or **Already Exists**.
2. Press  to enter the number as a **New Entry**, or press  to append the number to an entry that **Already Exists**.
3. If you selected **New Entry**, proceed to step 5 to select the number type. The following types are available.
Mobile Home Work Fax Pager
4. If you selected **Already Exists**, proceed to step 8.

5. Use the left/right navigation keys to display the desired type, then press . The Phonebook opens.
6. Enter a name for the entry using the keypad. Press the left soft key () **Option** if you wish to select a different method of text entry, such as **ABC**, **T9 Word**, **Symbol**, or **123**.
7. When you're finished entering information for the entry, press . The entry is saved to your Phonebook.
8. If you selected **Already Exists**, the Phonebook opens in **Find** mode. Use the navigation key to browse through entries, or enter the name of the entry using the keypad.
9. Once you've highlighted the entry for which you wish to append the number, press . The number is appended to the selected entry and saved to your Phonebook.

Group

You can place any Phonebook entry into one of five categories, called "Groups." Groups allow you to search your Phonebook faster, quickly send messages to one or more group members, and more.



By default, new entries to your Phonebook are placed into the **No Name** Group unless another group is specified.

View groups

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Group**. The following groups appear in the display.

No Name
Family

Friends
Colleague
Business

2. Use the navigation key to highlight a group, then press  to enter the group and view its contents (entries).

Move an entry to another group

1. In standby mode, press the left soft key () **Menu**, then press  ¹  ³ **DEF** for **Group**. The following groups appear in the display.

No Name
Family
Friends
Colleague
Business

2. Use the navigation key to highlight the group containing the entry that you wish to move, then press .
3. The group name appears in the top of the display, with its contents (entries) appearing in the display beneath.
4. Use the navigation key to highlight the entry that you wish to move to another group.
5. Press the left soft key () **Option**. A pop-up menu appears in the display with **Change Group** highlighted.
6. Press . You're given the option to select the group to which you would like to move the entry.
7. Use the left/right navigation keys to select the destination group, then press . The entry is moved to the selected group.

Create a new group

In addition to the five groups that come preloaded in your phone, you can create an additional five groups for a maximum of 10 groups. New groups can be named to suit your preference as long as their names are within the 12-character limit.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Group**. Your existing groups appear in the display.
2. Press the left soft key () **Option**. A pop-up menu appears in the display with **New Group** highlighted.
3. Press . The **New Group** dialogue box appears in the bottom of the display.
4. Enter a name for the group using the keypad. Press the left soft key () **Option** to select another mode of text entry, if desired.
5. Press . The new group is saved.

Rename a group

The five default groups cannot be renamed. However, any of the groups that you create can be renamed to suit your preference as long as their names are within the 12-character limit.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Group**. Your existing groups appear in the display.
2. Use the navigation key to highlight the group that you wish to rename.
3. With the desired group highlighted, press the left soft key () **Option**. A pop-up menu appears in the display.

4. Use the navigation key to highlight **Rename Group**, then press . The **Rename** dialogue box appears in the display.
5. Enter a name for the group using the keypad. Press the left soft key () **Option** to select another mode of text entry, if desired.
6. Press . Your changes are saved.

Delete a group

The five default groups cannot be deleted. However, any of the groups that you create can be deleted.

1. In standby mode, press the left soft key () **Menu**, then press , for **Group**. Your existing groups appear in the display.
2. Use the navigation key to highlight the group that you wish to delete, then press the left soft key () **Option**. A pop-up menu appears in the display.
3. Use the navigation key to highlight **Delete Group**, then press . A message appears in the display prompting you to confirm the deletion.



All entries within the group will be deleted. Move the entries to another group before deleting the group if you wish to keep the entries.

4. Press the left soft key () **Yes** to delete the group and all entries within, or press the right soft key () **No** to return to the group list.

Send a text message to members of a group

Using the **Send Message** feature in Group, you can send a message to up to 10 members of a group at once.



This feature works in Verizon (CDMA) mode only.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Group**. Your existing groups appear in the display.
 2. Use the navigation key to highlight the group to which you wish to send a message.
 3. Press the left soft key () **Option**. A pop-up menu appears in the display.
 4. Use the navigation key to highlight **Send Message**, then press . Those members of the group with a mobile number or e-mail address appear in the display.
 5. Use the navigation key to highlight a group member that you wish to send a message.
 6. Press the left soft key () **Mark** to add the group member to the message distribution list.
 7. Repeat steps 5 and 6 until all members of the group to which you wish to send a message are marked.
-



You can mark up to ten members of the group for message distribution. If you try and mark an 11th member of the group, you'll be notified that 10 addresses have already been selected.

8. Press . A pop-up menu appears in the display with **Text Msg** highlighted.
9. Press . The list of addresses (or numbers) to which the message will be delivered appears in the display.
10. Press . The message entry screen appears in the display.
11. Enter the content of your message using the keypad.
12. To send the text message, press . Your message is sent.

Send a picture message to members of a group

1. Follow steps 1 through 8 in the previous section entitled “Send a text message to members of a group” .
2. With **Text Msg** and **Pix Msg** appearing in the pop-up menu, use the navigation key to highlight **Pix Msg**, then press .
3. The list of addresses (or numbers) to which the message will be delivered appears in the display.
4. Press . The **Pix Msg** composer appears in the display with the options listed in the following table.

Option	Function
Add Message	Add text to the picture message.
Add Sound	Add sound to the picture message.
Add Image	Add an image to the picture message.
Add Subject	Add a subject to the picture message.
Attach	Attach a Name Card or an entry in your Phonebook to the message.

5. Use the navigation keys to highlight the desired option.

6. Use the left right navigation keys to enter the option's sub menu and perform the function listed.
- Once you've finished adding the desired content (media, attachments, etc.) to your picture message, you're returned to the **Pix Msg** composer screen.
7. Press  to send the picture message. The picture message is sent to the intended recipients.

My Name Card

My Name Card allows you to create a virtual business card. Once completed, you can send the card to recipients as a V-card attachment.

1. In standby mode, press the left soft key () **Menu**, then press , .
2. **My Name Card** opens with the cursor blinking in the name field.
3. Enter information in each of the fields as desired. Use the navigation key to navigate between fields, then use the keypad to enter information.
4. When you're finished creating your name card, press . The V-card is saved.

Send V-card

Once you've created a name card, you can then send the name card to a Verizon Wireless phone number or any e-mail address.



The following steps outline sending a V-card by going through each and every option for adding images, sounds, and messages to your V-card. If you wish to simply send the V-card information without such information, simply press after step 4.

1. In standby mode, press the left soft key () **Menu**, then press for **Send V-card**. A pop-up menu appears in the display with **My Name Card** highlighted.
2. Press to select **My Name Card** or press to select and send an entry from your **Phonebook**.
3. If you selected **My Name Card**, press at the next screen to send the V-card. The **SEND TO** field appears in the display.
4. Enter a Verizon Wireless phone number or any e-mail address using the keypad, then press . The Pix Msg composer appears in the display.



To enter special characters necessary for an e-mail address, press the left soft key () **Option** to display a pop-up menu where you can select from a variety of characters.

5. The **Add Message** field is highlighted. Press the right navigation key to enter the message composer.
6. Enter a message using the keypad, then press .

7. Press the down navigation key to highlight the **Add Sound** field.
8. Press the right navigation key to display the **Add Sound** menu. Choose from four options such as preloaded melodies, sounds that you've downloaded using Get It Now, and recorded voice memos. You can even record a new voice memo to attach to the V-card.
 - Once you've selected a sound from the **Add Sound** menu, you're returned to the **Pix Msg** composer.
9. Press the down navigation key to highlight the **Add Image** field. Press the right navigation key to display the **Add Image** menu, where you can select from a variety of image options to enhance your V-card. Press the right soft key () **Back** to exit the **Add Image** menu, if desired.
10. Once you've returned to the **Pix Msg** composer, press the down navigation key to highlight **Add Subject**.
11. Press the right navigation key if you wish to enter a subject for the V-card, or press the right soft key () **Back** to cancel entering a subject.
12. Once you've returned to the **Pix Msg** composer, press  to send the V-card. **Sending...** appears in the display as the V-card is sent to the intended recipient.

My Phone

My phone # displays the ten-digit number assigned to your phone by Verizon Wireless.

- In standby mode, press the left soft key () **Menu**, then press ,  for **My Phone #**. The phone number assigned by Verizon Wireless appears in the display.

Memory Info

Memory Info displays the **Total**, **Used**, **Reserved**, and **Free** memory for the Phonebook and SIM Memory.



Reserved memory is only available in the Phonebook and doesn't appear under **SIM Memory**.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Memory Info**. Memory information for your Phonebook and SIM card appear in the display.
2. Use the navigation up/down keys to scroll down and up through the information in the display, if desired.

Delete All

Delete All allows the deletion of all entries in your Phonebook.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Delete All**. The phone prompts you to confirm the deletion of all entries.
2. Press the left soft key () **Yes** to delete all Phonebook entries, or press the right soft key () **No** to return to the Phonebook menu without deleting.

View FDN

FDN is an acronym for Fixed Dialing Numbers. Fixed Dialing Numbers allows you to restrict outgoing calls to all numbers except for those in your Fixed Dialing List. Before you can use the **View FDN** option, **FDN Mode** must be enabled in the **Security** menu.



FDN Mode is only available while your phone is in GSM mode.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **View FDN**. If the phone is in GSM mode, any Fixed Dialing Numbers that you have assigned appear in the display.

Recent Calls

Use Recent Calls to view received, dialed, and missed calls for your phone. You can also use **Recent Calls** to erase your call history and view **Call Timers**.



Functionality of **Recent Calls** is dependent upon whether or not **Caller ID** is enabled.

View Recent Calls

1. In standby mode, press the left soft key () **Menu**, then press  for **Recent Calls**.
2. Press the corresponding number on the keypad to view call logs for the following call types.
 -  for **Received**,  for **Dialed**,  for **Missed**.

Recent Calls menu options

While viewing recent calls, you have options such as saving recent call numbers to your Phonebook, sending messages to recent call numbers, and prepending (editing) numbers before saving.

1. In standby mode, press the left soft key () **Menu**, then press  for **Recent Calls**.
2. Press the corresponding number on the keypad to view call logs for the following call types.
 -  for **Received**,  for **Dialed**,  for **Missed**.

3. With the desired call log appearing in the display, press the left soft key () **Option**. A pop-up menu appears in the display with the options listed in the following table.

Option	Function
Save Number	Save the number as a new entry or save to an existing entry in your Phonebook.
Delete	Delete the number from your Recent Calls list.
Mark & Delete	Mark and delete only selected calls.
Send Message	Send a text or pix message to the number.

4. Use the navigation keys to highlight an option.
5. Press  to perform the highlighted function.
6. Follow the prompts as necessary to complete the desired function.



Tip: To quickly view recently dialed and received calls, press  in standby mode.

Delete Call Logs

Use **Delete Call Logs** to delete calls from any or all call logs.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Delete Call Logs**.
2. Use the navigation key to highlight the call log type that you wish to delete, then press . You're prompted to confirm the erasure.
3. Press the left soft key () **Yes** to erase the selected call log, or press the right soft key () **No** to return to the **Delete Call Logs** sub menu.

Call Timers

Use the **Call Timers** sub menu to view various timers for calls made and received from your phone. You can also reset any of your call timers, with the exception of the Lifetime timer.



The **Lifetime** timer retains a log of all calls made since the purchase of your phone and cannot be reset.

1. In standby mode, press the left soft key () **Menu**, then press  ,  . The options listed in the following table appear in the display.

Option	Function
Last Call Timer	View the duration of your last call.
Total Received	View the duration of total, incoming, and outgoing calls made on your phone since last erased.
Total Dialed	View duration of calls dialed from your phone.
Lifetime	View duration of all calls on your phone since activation (LifeTime timers cannot be erased).
Reset Timer	Reset the Last Call Timer, Total Received, or Total Dialed timers.

2. Use the navigation key to highlight an option.
3. Press  to perform the function for the highlighted option.

Messages

Your phone can send and receive messages to compatible phones and devices. If a message exceeds 160 characters, it is broken up and delivered in separate messages, which incur additional cost. Before you send messages, it's best to cover the basics of composing messages using the four entry modes of **Abc**, **Symbol**, **123**, and **T9 Word**.



Available memory is shared between all messages. You can store up to 50 incoming and 50 outgoing messages. However, the exact number depends upon message length.

Text entry modes

Messages can be made up of alphabetical characters, symbols, and numbers. Each method for entering text is outlined in the following table and explained in greater detail in the sections that follow.

Text Entry Mode	Function
ABC	Alphabetical text entry mode. Options are: ABC - All uppercase Abc - Initial caps abc - All lower case
123	Number entry mode. Enter numbers by pressing the corresponding key on the keypad.
Symbol	Symbol entry mode. Enter symbols into your message by pressing the corresponding number that appears above it in the display.
T9 Word	Predictive text mode. Press each key only once to enter the letter of the word that you're spelling.

The current mode of text entry is indicated in the lower right corner of the display.

Change text entry modes

1. While composing a message, press the left soft key () **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
ABC	Choose the method of text entry.
Quick Text	Choose from up to 17 pre-composed messages to insert into your current message.
Add Number	Add a number from your Phonebook.
Send Option	Choose the priority, validity, privacy, and other options for your message.
Save in Draft	Save the message to your Drafts folder.
Edit Send To	Edit the Send To number of your recipient.
Save Text	Save the text in your message to Quick Text for later use.

2. **ABC** is highlighted. Use the navigation left/right keys to choose from one of the other three text entry modes of **123**, **T9 Word**, and **Symbol**. Each text entry mode is explained in greater detail in the following sections.

ABC mode

- Enter characters while in **ABC** mode by pressing the key that contains the desired characters ( for "h").
- Press the key repeatedly to cycle through other available characters for that key.
- Pause briefly when the desired character appears in the display to accept the character and therefore insert it into the message.
- Press  to enter a space.
- To cycle between uppercase, lower case, and initial caps for characters in ABC mode, briefly press .

T9® Word text entry

T9 Word recognizes commonly used words for the numeric sequence of keypresses and inserts that word into your message. It's much faster than the traditional method of text entry (Abc) and *requires only one key press per letter* of the word that you're spelling.

1. In standby mode, press the left soft key () **Menu**, then press ,  to compose a new message.
2. Enter the phone number of the recipient, then press .
3. Press the left soft key () **Option** to display a pop-up menu containing the following options.
4. **ABC** is highlighted. Use the navigation left/right keys to display **T9 Word**, then press .
- Now, for practice, enter the word "Samsung" into your message by pressing each of the following keys *only once*:



T9 Word recognizes that the most commonly used word for the numeric sequence you just entered is "Samsung." If more than one word shares the same numeric sequence, T9 Word provides the most commonly used word. Press  to display other words in the dictionary, if available.

123 mode

Enter numbers into a text message while in number mode (123). See "Change text entry modes" on page 64 for instructions on changing text entry modes.

- While in **123** mode, press the key containing the corresponding number that you wish to insert into your message.

Symbol mode

Symbol mode enables you to enter symbols such as @ or % into a text message.

- In standby mode, press the left soft key () **Menu**, then press ,  to compose a new text message.
- Enter the phone number of the recipient, then press .
- Press the left soft key () **Option** to display a pop-up menu containing the following options.

Option	Function
ABC	Choose the method of text entry.
Quick Text	Choose from up to 12 pre-composed messages to insert into your current message.
Add Number	Add a number from your Phonebook.
Send Option	Choose the priority, validity, privacy, and other options for your message.
Save in Draft	Save the message to your Drafts folder.
Save Text	Save the text in your message to Quick Text for later use.
Edit Send To	Edit the Send To number of your recipient.

- ABC** is highlighted. Use the navigation left/right keys to display **Symbol**, then press . The first of four screens containing symbols appears in the display.
- Use the navigation left/right keys to page through the other symbols, if necessary.

6. Enter the key that corresponds with the symbol that you wish to enter. For example, press  for an exclamation point (!).
7. Repeat steps 3 through 6 to insert as many symbols into your message as desired.

Send text messages

1. In standby mode, press the left soft key () **Menu**, then press , . The **Send To** field appears in the display.
2. Enter the phone number of the recipient, or press the left soft key () **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
ABC	Choose from ABC, 123, T9 Word, and Symbol modes of text entry.
@	Insert the @ symbol (for email), or select one of the domain suffixes of .com, .edu, .org, and .net.
Contacts	Select recipients from your Phonebook.
Group	Select recipients from one or more of your groups.
Recent Calls	Select recipients from one or more recent calls.
Save Address	Save the address you just entered to the Phonebook.

3. After selecting or entering your recipients in the **Send To** field, press . The message composer appears in the display.
4. Compose your message using the keypad. At any point while composing a message, press the left soft key

() **Option** to display the options listed in the following table.

Option	Function
ABC	Choose the method of text entry.
Quick Text	Choose from up to 17 pre-composed messages to insert into your current message.
Add Number	Add a number from your Phonebook.
Send Option	Choose the priority, validity, privacy, and other options for your message.
Save in Draft	Save the message to your Drafts folder.
Save Text	Save the text in your message to Quick Text for later use.
Edit Send To	Edit the Send To number of your recipient.

5. Use the navigation key to highlight an option. Press  to perform the function for the option, or to enter its sub menu.
6. To send the message, press .

Send option

You can set priority, validity, privacy, and other options before you send a message.

1. At the message composer screen, press the left soft key () **Option**. A pop-up menu appears in the display.
2. Use the navigation key to highlight **Send Option**, then press . The **Send Option** categories and options listed in the following table appear in the display.

Category	Options	Function
Priority	Normal Urgent	Assign a priority to your message.

Category	Options	Function
Validity	None 30 Min 1 Hour 2 Hours 12 Hours 1 Day 2 Days 3 Days 5 Days	Select the period of time that you wish the message to be available to the recipient. After the set period of time, your message is recalled.
Privacy	Not Restricted Restricted	Choose the desired level of privacy for your message.
Insert Signature	Off On	Insert your pre-composed signature into the message.
Callback #	Yes No	Insert a number into your message for the recipient to call you back.
Def. Delivery	Immediate Set Time	Choose when you wish your message to be sent.

3. Use the up/down navigation keys to highlight a category. Once a category is highlighted, use the left/right navigation keys to browse through the options for the selected category.
4. When the desired option is highlighted, press  to confirm the selection or to enter the option's sub menu.

Receive text messages

When you receive a message in standby mode, the ringer sounds, (unless turned off), and **New Message** appears in the display along with the closed envelope icon (✉). The date and time of the message also appear in the display.

- Press the left soft key () **Ignore** to return the phone to standby mode. The message is saved to your inbox where you can view it later.
- Press the right soft key () **View** to open the message, where you have the option to **Reply**, **Forward**, **Delete**, **Save Address**, **Save Text**, or **Save Msg**.

Receive messages while in a call

When you receive a message while in a call, the ringer sounds, (unless turned off), and **New Message** appears in the display along with the closed envelope icon (✉). You can view the message without disconnecting your call.

1. Press the left soft key () **Ignore** to ignore the message. The message is saved to your inbox where you can view it later.
2. Press the right soft key () **View** to open the message, your call remains connected.

Send pix messages (MMS)

You can also add sounds and attach a v-card or Phonebook entry to your pix messages.

1. In standby mode, press the left soft key () **Menu**, then press  , .
2. Enter the phone number or e-mail address of the recipient (or recipients) using the keypad.

3. Press the left soft key () **Option** to display a pop-up menu that provides options for changing text entry modes, entering a domain suffix for an e-mail address, and to CC/BCC recipients.



CC and BCC are acronyms for **Carbon Copy** and **Blind Carbon Copy**. Use **CC** to copy recipients normally. Use **BCC** to copy recipients that you don't wish others in the list to see.



You can send a pix message to up to ten recipients. Separate each recipient's address or phone number with a space in the **Send to** field of the pix message composer.

4. Press  once you've finished entering the number or e-mail address of the recipients in the **To**, **CC**, or **BCC** fields. The **PIX MSG** composer appears in the display with the **Add Message** field highlighted.
5. Press the right navigation key to add a message.
6. Compose your message using the keypad, then press . You're returned to the PIX MSG composer.
7. Press the down navigation key. **Add Sound** is highlighted.
8. Press the right navigation key to add a sound to your message.
9. Use the navigation key to highlight the type of sound you wish to insert into your message, then press .
10. Browse available sounds using the navigation key, then press . You're returned to the PIX MSG composer.
11. Press the down navigation key. **Add Image** is highlighted.

12. Press the right navigation key to browse available images. Use the navigation and  keys to highlight and select available images, or to take a picture.
13. Press the down navigation key once to highlight the **Subject** field.
14. Press the right navigation key to display the Subject composer.
15. Enter a subject using the keypad, then press . You're returned to the PIX MSG composer.
16. Press the down navigation key until Attach is highlighted, then press the right navigation key. A pop-up menu appears in the display.
17. Press  to insert a name card (if one exists), or press  to insert an entry from your Phonebook.
18. At the PIX MSG composer, press  to send the message to the intended recipient(s).

Send pix messages in camera mode

Pix messages can be sent to recipients with compatible phones or devices. You can even accompany a pix message with a voice memo or preloaded sound.



Tip: You can send a pix message to up to ten recipients. Separate each recipient's address or phone number with a space in the **Send to** field of the pix message composer.

1. In standby mode, press and hold the **Camera button** () , on the right side of the phone.
2. Using the display as a viewfinder, press  when the image that you wish to send appears in the display.



While using the display as a viewfinder, a row of icons appear in the bottom of the display, which represent picture quality, zoom settings, orientation of the display, fun frames, brightness, and color. Use the left/right navigation keys to select an icon, then use the up/down navigation keys to select settings for brightness, color, and so on.

3. Press , then enter the Verizon Wireless phone number or e-mail address of the recipient.
4. Press . The **PIX MSG** composer appears in the display with the picture that you just snapped attached.
5. By default, the cursor is on **Add Message** field. Press the left soft key () **Option** or the right navigation key to add a message.
6. Compose your message using the keypad, then press . You're returned to the **PIX MSG** composer.
7. Press the down navigation key. **Add sound** is highlighted.
8. Press the right navigation key to display the menu items in the following table.

Option	Function
Preloaded Melody	Add a sound that came preloaded on your phone to the message.
My Sounds	Add a downloaded melody to the message.
Voice Memo	Add a saved voice memo to the message.
Record Voice	Record a new voice memo to add to the message.

9. Use the up/down navigation keys to highlight an option, then press  to enter the options sub menu and insert a sound into your message. Press the CLR key () to exit the pop-up menu without inserting a sound.

10. Press the down navigation key twice to move the cursor to the **Add Subject** field, then press the right navigation key to add a subject.
11. Enter a subject for the message using the keypad, then press . You're returned to the **Pix Msg** composer.
12. Press the down navigation key until **Attach** is highlighted, then press the right navigation key. A pop-up menu appears in the display.
13. Press  to insert a name card (if one exists), or press  to insert an entry from your Phonebook.
14. Once you've inserted a name card or an entry from your Phonebook, you're returned to the PIX MSG composer.
15. Press  (**Send**) to send the message. **Sending...** appears in the display and a progress bar indicates the send status.

Receive pix messages

When you receive a new pix message, **Pix Msg** appears in the display along with the options **Reject**, **Down**, and **Later**. To reject, download, or view the pix message later on the Verizon Wireless website, review the instructions for each in the sections that follow.



For the options to **Reject**, **Down**, and **Later** to appear in the display when you receive a pix message, pix message retrieval mode must be set to **Prompt** instead of **Automatic** in the **Message Settings** sub menu.

Reject a Pix Msg

1. When you receive a new pix message, press the left soft key () **Reject**. You're prompted for a confirmation.
2. Press the left soft key () **Yes**, the message is rejected.



If you select **No**, you're returned you to the previous menu.

Download a Pix Msg

1. When you receive a new pix message, press  (**Down**). **Downloading...** appears in the display.
2. After downloading, the image (and text if any) contained in the pix message appear in the display.
3. Use the navigation keys to scroll through the message or view the entire picture if necessary.

View a Pix Msg later (online)

1. When you receive a new pix message, press the right soft key () **Later**.
2. To view the message, press the left soft key () **Menu**, then press ,  to open the **Inbox** folder.
3. Use the navigation key to highlight the unopened message, then press . Specific directions for viewing the picture online at the Verizon Wireless website appear in the display.

Message folders

Messages are stored in any one of six folders. The sections that follow cover each of the message folders in greater detail.

Voicemail

Messages in your Voice Mailbox are logged in the **Voicemail** folder of the **Message** menu. Open the **Voicemail** folder to view the **Callback #** (if available), **Urgency**, and other details of the voice mail message.

RECEIVE VOICEMAIL MESSAGES

When you receive a Voicemail message. You'll hear a sound and **New Voicemail(s)** appears in the display.

1. Press the left soft key () **Ignore** to view details about the message later, or press the right soft key () **View** to open the Voicemail folder and view details about the message now.
2. If you selected **Ignore**, the message is sent to your Voicemail folder for later viewing. If you selected **View**, details of the message appear in the display.
3. Press the left soft key () **Listen** to dial your Voice mailbox and listen to the message.

VIEW VOICEMAIL MESSAGES IN YOUR VOICEMAIL FOLDER

1. In standby mode, press the left soft key () **Menu**, then press  , .
2. Details of the voice mail message appear in the display.
3. Press the left soft key () **Listen** to dial your voice mailbox and listen to the message.

Inbox

Received messages of all types (except **Voice**mail) are stored in the **Inbox** folder.

1. In standby mode, press the left soft key () **Menu**, then press ,  to open the **Inbox** folder.



Tip: Press the right soft key () **MSG** while in a call to open the **Message** menu.

2. Use the navigation key to highlight the message that you wish to view.
3. Press  to view contents of the highlighted message.
4. While viewing a message press the left soft key () **Option** to display the options listed in the following table.

Option	Function
Reply	Reply to the message.
Forward	Forward the message to another recipient.
Delete	Delete the message and its contents.
Save Address	Save the number of the sender to your Phone-book as a new entry or add to an existing entry.
Save Text	Save only the text within a message.
Save Msg	Save the message to the Saved/Draft folder.

5. Use the navigation key to highlight an option. Press  to perform the function for the highlighted option.

Outbox

Your phone stores messages in the **Outbox**, regardless of whether the message was successfully transmitted. Verify if and when a message or e-mail was successfully transmitted by enabling the **Delivery Ack** feature. See “Send option” on page 68 for more information on delivery acknowledgements.

REVIEW MESSAGES IN THE OUTBOX

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Outbox**. Any sent messages appear in the display.
2. Use the navigation key to highlight the message that you wish to review, then press .
3. Press the left soft key () **Option** to display the options listed in the following table.

Option	Function
Resend	Resend the message to the original recipient.
Delete	Delete the message.
Save Msg	Save the message to the Drafts folder.

4. Use the navigation key to highlight the desired option.
5. Press  to perform the function for the highlighted option.

MESSAGES AND LOCK MODE

Your phone still receives messages while in **Lock Mode**. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code.

Saved/Draft

Draft messages are those that have been composed but never sent. You can return to the **Drafts** folder at any time to view, edit, or send a draft message.

CREATE A DRAFT TEXT MESSAGE

1. In standby mode, press the left soft key () **Menu**, then press ,  for **New Text Msg**.
2. Enter the phone number of the recipient, then press .

3. Compose your message using the keypad, then press the left soft key () **Option**. A pop-up menu appears in the display.
4. Scroll down with the navigation key until **Save in Draft** is highlighted, then press . A confirmation message appears in the display and your message is saved to the **Drafts** folder.

VIEW AND EDIT DRAFT MESSAGES

1. In standby mode, press the left soft key () **Menu**, then press , . Any draft messages that you've composed appear as a list in the display.
2. Use the navigation key to highlight the message that you wish to view, then press . The message opens in the **Send To** field with the address or number of the intended recipient.
3. Press . The message composer opens.
4. Press the CLR key () to backspace and delete any current characters in the display, if desired. Press and hold  to delete all characters.
5. Press the left soft key () **Option**. A pop-up menu appears in the display with the options listed in the following table.

Option	Function
ABC	Choose the text entry mode. Options are ABC, 123, T9 Word, and Symbol.
Quick Text	Insert a pre-composed text message into your current message.
Add Number	Add a number to the current message from your Phonebook.

Option	Function
Send Option	Choose the Priority, Validity, and Privacy of your message. You can also insert a signature and insert a callback #.
Save In Draft	Save the message (with changes) back to the Drafts message folder.
Edit Send To	Edit the Send To number for the message.
Save Text	Save only the text in the message, if the message contains media or other content.

- Use the navigation key to highlight the desired option. Press  to perform the function for the highlighted option.
- Once you've returned to the message composer, press  to send the message, if desired.

Web Alert

Occasionally, Verizon Wireless may send notifications to your phone in the form of **Web Alerts**. These alerts may contain information regarding new services or updates. When you receive an alert, you will receive a text notification and hear an audible tone.



Web Alert does not function in Int'l (GSM) mode.

- In standby mode, press the left soft key () **Menu**, then press , . Any web alerts that you have received appear in the display.



Contact Verizon Wireless for availability.

Msg Setting

The **Msg Setting** sub menu allows you to define default settings for all message types.

TEXT MSG SETTING

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Text Msg Setting**. The options listed in the following table appear in the display.

Option	Function
Quick Text	View and edit any of the pre-composed messages in your Quick Text list.
Save In Outbox	Set the default method for saving (or not saving) messages to your Outbox.
Insert Signature	Insert a signature into all outgoing text messages. You also have the option to create a signature.
Auto Play	Set media within messages to automatically play upon reception, or prompt before playing.
Direct View	Turn Direct View on or off. Direct View immediately displays the content of a message as it is received.

2. Use the navigation key to highlight the desired setting. Press  to perform the function for the highlighted option or to enter its sub menu.

PIX MSG SETTING

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Text Msg Setting**. The options listed in the following table appear in the display.

Option	Function
Quick Text	View and edit any of the pre-composed messages in your Quick Text list.
Save In Outbox	Set the default method for saving (or not saving) messages to your Outbox.
Delivery Ack	Set your phone to alert you when messages are delivered.
Retrieval Mode	Set your phone to retrieve (download) pix messages automatically or prompt you for retrieval.

2. Use the navigation key to highlight the desired setting. Press  to perform the function for the highlighted option or to enter its sub menu.

ENTRY MODE

Use **Entry Mode** to select the default method of entry for entering text.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Entry Mode**. The options listed in the following table appear in the display.

Option	Function
Alphabet	Enter text into messages using multiple keypresses.
T9 Word	Enter text into messages using T9 Word.

2. Use the navigation key to highlight the default method of text entry, then press . Your settings are saved.

CALLBACK

Use **Callback #** to view or modify the callback #. The callback # can be inserted into all outgoing messages, which notifies message recipient(s) of your phone number.



Callback # functionality is dependent upon whether or not **Caller ID** is enabled.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Callback #**. The callback # appears in the display.
2. Use the CLR key () to backspace and delete numbers. Press and hold CLR () to delete all characters from the display.
OR
Press the right soft key () **Back** to exit the callback # display without making changes.
3. Enter a new callback # number using the keypad, then press  to save your changes.

AUTO DELETE

Use **Auto Delete** to set the disposal method of messages after they are read.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Auto Delete**. The options listed in the following table appear in the display.

Option	Function
Auto Delete	If memory is full, the first message received after the memory becomes full is automatically deleted.
Not Delete	Do not delete messages after they are read.

2. Use the navigation key to highlight the desired option.
3. Press  to select the highlighted option. Your changes are saved.

VOICE MAIL

Use **Voice Mail #** to view or modify your voice mail number.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Voice Mail #**. Your voice mail number (or *86) appears in the display.
2. Use the CLR key () to backspace and delete numbers. Press and hold CLR () to delete all characters from the display.

OR

Press the right soft key () **Back** to exit the voice mail # display without making changes.

INSERT A T PAUSE OR P PAUSE INTO THE VOICE MAIL NUMBER

3. While viewing the voice mail number, press the left soft key () **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
T Pause	Inserts a short, 2.5 second pause into the dialing string. The phone pauses for 2.5 seconds before dialing resumes.
P Pause	Insert a "hard" pause into the dialing string. The phone waits for input from you before dialing resumes.

4. Press . Your changes are saved.

GSM SETTING

The **GSM Setting** sub menu offers a wide range of message settings for when your phone is in **GSM (Int'l)** mode. You can configure two different groups of settings (**Setting 1**, **Setting 2**), and then select between the two as desired.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **GSM Setting**. The options listed in the following table appear in the display.

Option	Sub option	Function
Setting 1	Service Center	The number to which messages are forwarded for delivery. This number is provided with the SIM card and read by the phone upon power-up.
	Default Destination	When entered, this number is automatically used when sending messages. This number should be the same as the service center number.
	Default Type	Select the default message sending type. Options are Text , E-Mail , and Paging .
	Default Validity	Amount of time that the message center attempts to deliver your message before giving up. Options range from One Hour to Maximum , which is network dependent.
	Setting Name	The Default name is Vodafone . The setting name is sent with the message to the appropriate network client for verification.
Setting 2	Sub options are the same as those in Setting 1.	See functions for Setting 1 .

Option	Sub option	Function
Reply Path	On or Off	Provides a way of both requesting and indicating a service center's commitment to deliver a reply to the originating message.
Delivery Reports	On or Off	Set to On if you wish to receive notifications of message delivery.
Sending Setting	Setting 1	Use the settings as defined in Setting 1 .
	Setting 2	Use the settings as defined in Setting 2 , if available.

2. Use the navigation key to highlight an option. Press  to open the selected option and make changes.

Memory Info

Memory Info allows you to view the **Total**, **Used**, and **Free** memory for the phone and SIM card.

- In standby mode, press the left soft key () **Menu**, then press , . **Total**, **Used**, and **Free** memory values appear in the display.

Delete All

Use the **Delete All** sub menu to delete all messages within a selected folder.

1. In standby mode, press the left soft key () **Menu**, then press , .
2. Use the navigation key to highlight the folder containing the messages that you wish to delete.
3. Press  to delete all of the messages in the folder. You're prompted to confirm the deletion.
4. Press the left soft key () **Yes** to delete all messages within the folder. Press the right soft key () **No** to return to the folder list.

Get It Now

With **Get It Now**, you can download full featured applications such as games, personalized ring tones, pictures, and more. You can also use **Get It Now** to send and receive instant messages, email, or browse the web to catch up on all the latest information.

1. In standby mode, press the right navigation key (). The **Shopping Cart** icon () appears in the display.
2. Press  (**Start**). After a brief pause, the **Get it Now** options listed in the following table appear in the display.

Option	Function
What's New	Provides updates on the latest games, information services, etc.
Get Games	Select from a broad category of games you can play on your phone.
Get Tones	Download your favorite ring tones.
Get Going	Download applications that keep you in touch with the world, keep you organized, and help you find the coolest spots.
Get Pix	View, share your own pictures and even save them as your phone's wallpaper or screensaver.
Get Fun	Select from several fun and interesting applications.
Get Mes-saging	Check e-mail on some of the most popular clients on the Internet.
Search	Enter a keyword and search the Get It Now catalogue.

3. Use the navigation key to highlight the category of your choice, then press .
4. Select the application you wish to download and follow the online directions.

Settings

Use the **Settings** sub menu in **Get It Now** to manage, move, order applications and much more.

- A green circle (●) to the left of an application indicates that application is active (available for use).
 - A red circle (●) to the left of an application indicates that the application has been disabled.
 - A blue circle to the left of an option (●) indicates that information is available about the application.
1. In standby mode, press the right navigation key () to launch **Get It Now**.
 1. At the **Get It Now** menu, press the right navigation key () once to highlight **Settings**, then press . The options listed in the following table appear in the display.

Option	Function
Order Apps	Download applications over the network.
Move Apps	Move previously downloaded applications between the Main Menu, Work, and Fun folders.
Manage Apps	View System Info, Application List, Properties for each application, and other options.
Main Menu View	Select whether you wish to view the main Get It Now menu in a list or icon format.
Screensavers	View downloaded screensavers.
View Log	View the Get It Now log, which displays information about recent activity using Get It Now.

2. Use the navigation key to highlight an option.
3. Press  to enter the option's sub menu and view or change settings.

Remove an application

You can remove applications to free up space for other applications.

1. At the **Get It Now** menu, press the right navigation key once to highlight **Settings**, then press .
2. Use the navigation key to highlight the **Manage Apps**, then press . Any applications that you've downloaded to your phone appear in the display.
3. Use the navigation key to highlight the application that you wish to remove, then press .
4. Highlight the **Remove** icon, then press .
5. Highlight **Yes**, then press . The application is removed.

VZW with MSN

VZW with MSN allows you to surf the web from your wireless phone.

- Each time you launch **VZW with MSN**, your phone connects to the Internet and a service indicator icon such as () appears in the display. Depending upon your mode of operation (2G or 3G), the icon will be different.



Any time the service indicator icon is visible, you are connected to the Internet and billed accordingly. Rates and prices vary according to your service contract. For further information on billing contact Verizon Wireless.

Launch VZW with MSN



The first time you use **VZW with MSN**, you are prompted to go through a security setup process. When the security key is sent to the carrier, a unique value is created. If the phone is reset, contact Verizon Wireless to reset the security key. The original is no longer valid and **VZW with MSN** will not operate.

1. In standby mode, press the left navigation key to launch **VZW with MSN**.
2. **VZW with MSN** and a list of categories (each representing one or more web sites) appears in the display.
3. Use the navigation key to browse the categories.
4. Once the desired category is highlighted, press  to enter the category list.

Exit VZW with MSN

- Press  to exit **VZW with MSN**.

Navigate the web

When you use **VZW with MSN**, some of the keys operate differently than during a normal phone call.

VZW with MSN presents on-screen items in any of the following ways:

- Text or numeric input
- Links (embedded in content)
- Numbered options (some options may not be numbered)
- Simple text

You can act on the options or links by using the soft keys.

VZW with MSN soft keys

At the bottom of the **VZW with MSN** display is a solid bar which contains the browser commands. The left () and right () soft keys on the keypad of the phone are used to carry out the command that appears above them in the display. These two keys are called “soft keys” because their function changes depending on where you are in the application.

How VZW with MSN keys work

The following table lists **VZW with MSN** keys and their functions.

Key	Name	Function
	Navigation Key	Use the navigation key to browse lists and highlight options.

Key	Name	Function
	CLR Key	A browser back-up key. Press once to back up one page. Press and hold to go back to VZW with MSN home page. Press to clear the last number, letter, or symbol entered. Press and hold to completely clear the display.
	Asterisk/ Shift Key	Press before entering text to enable upper case characters (in Abc mode).
	0/Next Key	Press to enter a zero (0), or to display another word in the dictionary when in T9 Word entry mode.
	Pound/ Space Key	Press to insert a space when entering text.
	Numbers 1 thru 9	Use the number keys to select items in a menu if they are numbered.
	END Key	Press to exit VZW with MSN and return the phone to standby mode.
	Left Soft Key	Press the left soft key to go to the highlighted web link and/or perform the function that appears above it in the display.
	Right Soft Key	The right soft key is the Menu key. Press this key to display a pop-up menu with the several options.
	SEND Key	Press to dial a highlighted number.

Links

Links have several purposes, such as jumping to a different page, jumping to a different site or even initiating a phone call from some sites. Links are shown inside of brackets ([]).

Normally, the left soft key () is used to select a highlighted link.

Place a call while using VZW with MSN

You may initiate a phone call from **VZW with MSN** if the site you are using supports this feature (the phone number may be highlighted). Press the appropriate soft key to call the number. In most cases you can also press  to call the number. The Internet connection terminates when you initiate the call. After you end the call, your phone returns to standby mode.

Multimedia

Take full color digital pictures, display them on your phone's vivid color display, and instantly share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera – just take a picture, view it on the display, and send it to up to ten people, right from your phone. Depending on the resolution that you choose, you can save dozens of pictures to memory.

Take pictures

Taking pictures with the built-in camera is as simple as choosing a subject, pointing the lens, and pressing a button. Activate the camera by pressing the camera button () on the right side of the phone.

With flip open

1. In standby mode, press the camera hot key () on the right side of the phone.
2. Point the camera at your subject, using the display as a viewfinder.
3. Press  (**Take**). The picture that you snapped appears in the display.
4. Press the left soft key () **Save** to save the pictures to memory.
5. Press the right soft key () **Back** if you don't wish to save the photo.

With flip closed

1. With the flip closed, press and hold the camera button () on the right side of the phone.
2. Using the external LCD as a viewfinder, press the camera button () on the right side of the phone. The picture that you snapped appears in the display. **Open to review...** appears in the external LCD display.
3. To save the picture, press the camera button () on the right side of the phone. The picture is saved.

Camera session options

When the camera is activated, a group of icons line the bottom of the display. Use the left/right navigation keys to browse and highlight an icon. A short description of each icon appears beneath each as it is highlighted. The following table lists each icon and an extended description.



These icons represent settings for the current camera session and not camera use in future sessions. If you wish to affect camera use long term, use the **Camera Settings** sub menu.

Icon	Name	Function
	Quality	Sets the quality of your picture. Options are Low, Medium, and High.
	Zoom	Set the zoom for x1, x2, or x4 (see note that follows this table).
	Rotate/Flip	Flip the picture in the display 180 degrees.
	Brightness	Set the brightness level.
	Color	Select several picture color settings such as Sepia, Negative, and Black & White.



Zoom is affected by the **Image Size** setting (**Menu** , , , ). When **Image Size** is set to high, less zoom is available.

4. Once an icon is highlighted, press the up or down navigation keys to display other options for the highlighted function.
5. When you're ready to take a picture, press .

Save pictures

1. After you've snapped a picture, press the left soft key () **Save**. You're given the option to save the picture to the **Default Album** or **Photo ID**.
2. Use the left/right navigation keys to display and select the save location.
3. Press the down navigation key to move the cursor to the **Photo Name** field.
4. Press  to backspace and delete any characters currently occupying the name field.
5. Enter a name for the picture using the keypad, then press . The picture is saved.



Press the left soft key () **Option** to display a pop-up menu, which allows you to select the mode of text entry (ABC, Symbol, etc.)

Other Camera features

The camera has a **Media Gallery** for browsing stored pictures, creative imaging features for picture enhancement, and more.

View the Media Gallery

Saved pictures are stored in the **Media Gallery**. You can browse the **Gallery** one picture at a time (expanded mode), or view several at once in thumbnail format.

1. In standby mode, press the left soft key () **Menu**, then press , . The **Media Gallery** items listed in the following table appear in the display.

Sub Menu	Function
Photo Gallery	Contains the Default Album and Photo ID folders. The Default Album folder is used to store general pictures, while the Photo ID folder contains pictures that you use for photo identification (Caller ID).
Image Gallery	Contains Preloaded images (those that came with the phone). The My Image folder is used to store those images that you've downloaded via Get It Now.
Sounds	Browse sounds preloaded on your phone or those that you've downloaded using Get It Now.
Pix Template	View your list of Pix Templates for several different occasions such as birthdays, well wishes, and more.
Animelody Gallery	View your list of animated melodies that you've downloaded using Get It Now.
Memory Info	View memory information for the Image Gallery, Photo Gallery, and Total used.
Delete All	Delete images, sounds, animelodies, or photos from any folder of the media gallery.

2. Use the navigation up/down keys to highlight a sub menu or item. Press  to enter the sub menu.

View the Media Gallery in thumbnails

1. While viewing pictures in the Media Gallery, press the right soft key () **Expand** to view pictures full screen.
2. Browse the **Gallery** using any of the four navigation keys.

Camera Settings

Settings for features such as image size, quality, flash, and others keep you in control of the how your camera operates.

Image Size

Preset the size of your pictures using the **Image Size** setting.

1. In standby mode, press the left soft key () **Menu**, then press , , , . The following options appear in the display.

640x480

320x240

160x120

ID Photo

2. Use the navigation key to highlight the desired image size and press . You're returned to the **Camera Settings** menu.

Image Quality

You can affect how much your photo is compressed, thereby reducing it's overall size (not to be confused with **Image Size**).

1. In standby mode, press the left soft key () **Menu**, then press , , , .
2. Use the navigation key to highlight the **High**, **Medium**, or **Low** quality settings.

Once the quality setting of your choice is highlighted, press . You're returned to the **Settings** menu.

Flash

The built-in flash enables you to take pictures in low light. The flash is located on the outside of the flip, next to the camera lens.



When **Flash**, **Resolution**, and **Color Tones** are defined in the **Settings** menu, those settings are saved even if the phone is turned off. However, when these settings are defined while the camera is in session, they are only active for the current camera session.

1. In standby mode, press the left soft key () **Menu**, then press , , , . **Off** and **On** appear in the display.
2. Use the navigation key to highlight **Off** or **On**, then press . You're returned to the **Camera Settings** sub menu.



When the flash is set to **On**, the flash icon () appears in the display in camera mode.

Color

Change the look of your pictures with **Color**. Choose from four color settings such as **Black & White**, **Sepia**, and **Negative**, and **Solarize**.

1. In standby mode, press the left soft key () **Menu**, then press , , , .

2. Use the navigation key to highlight one of the color tones in the following table.

Color Tone	Description
Normal	Subjects in the display and pictures appear with a normal hue.
Black & White	Subjects in the display and pictures appear in black and white.
Sepia	Subjects in the display and pictures appear in a brownish-gray hue.
Negative	Subjects in the display and pictures appear with light and dark colors inverted.
Solarize	Bright and dark colors appear inverted, however other colors appear unchanged.

3. Once the color tone of your choice is highlighted, press . You're returned to the **Settings** menu.
- When you take your next picture, the phone's display previews your subject image with the selected color tone.

Shutter Sound

Choose from four different sounds (or **Silent**) the camera makes whenever you snap a picture. Aside from being a cool sound effect, **Shutter Sound** acts as an audible reminder that your camera has taken the picture.

1. In standby mode, press the left soft key () **Menu**, then press , , , .
2. Use the navigation key to highlight one of the following shutter sounds. Each sound plays as it is highlighted.

Shutter Sound Say Cheese Look Here Melody

3. Once your choice is highlighted, press . You're returned to the **Camera Settings** sub menu.

Auto Save

The **Auto Save** preset allows you to automatically save pictures to the **Default Album** folder.

1. In standby mode, press the left soft key () **Menu**, then press , , , .
2. Use the navigation key to highlight **On** or **Off**, then press . You're returned to the **Camera Settings** sub menu.

Settings

The **Settings** menu contains sub menus that allow you to configure your display, sounds, network preferences, security options, and more.

Phone Mode

Use the **Phone Mode** sub menu to set your phone for the operational mode of Verizon (CDMA) or Int'l (GSM).

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Phone Mode**.
2. Use the up/down navigation keys to highlight Verizon (CDMA) or Int'l (GSM), then press . **Change Phone Mode?** appears in the display.
3. Press the left soft key () **Yes** to confirm the change, or press the right soft key () **No** to decline.
4. If you pressed () **Yes**, the phone restarts.

Profile

Profiles define properties for such things as ringtones, alerts, and the sounds your keypad makes whenever you press a key. Settings for each of the four available profiles can be left at default or edited to suit your needs. Select or edit then use the appropriate profile for situations such as meetings, during driving, or when you are outdoors.

1. In standby mode, press the left soft key () **Menu**, then press , . The profiles in the following table appear in the display.

Profile	Function
Normal	The default profile. Ringtones, alerts, and other settings are set to typical levels necessary for normal operation.
Meeting	Ringtones and alarms are set to silent, or low-level so that others aren't disturbed.
Drive	Default settings for ringtones and alarms are set to levels that will catch your attention while driving.
Outdoors	Default settings for ringtones and alarms are set to the highest audible level.

2. Use the navigation key to highlight the profile that you wish to select or edit.
3. To select the highlighted profile for use, press .
4. To edit the highlighted profile, press the left soft key () **Edit**. The sub menus in the following table appear in the display.

Sub Menu	Function
Volume/ Vibrate	Set the volume level or vibrate setting for calls and alarms.
Ringer Type	Choose the ringer type for calls and data.
Key Beep	Set the volume, length, and tone type for when keys are pressed for the selected profile.
Alerts	Turn alerts on or off for when you disconnect a call, enter a roaming area, lose service, and more for the selected profile.
Power On/Off	Turn the power on/off sound off or on for the selected profile.
Roam Ringer	Turn the roam ringer on or off for the selected profile.

Sub Menu	Function
Whisper	Turn whisper mode on or off for the selected profile.
Folder Sound	Turn the sound generated whenever you open or close the folder on or off for the selected profile.

5. Use the navigation key to highlight the sub menu that you wish to edit, then press .
6. Use the navigation key to select from the sub menu options that appear in the display, then press . Your settings are saved.
7. Press  to return to the **Profile** sub menu or press  to return to standby mode.

Display

The Display sub menu affects the menu style, standby mode animation, backlight settings, and more.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Display**. The **Display** sub menus listed in the following table appear in the display.

Sub Menu	Function
Language	Choose the display language (English or Español).
Style	Choose Dynamic to animate your menus or choose Basic to view menus in a list format.
Animation	Choose the media that appears in the display when you turn the phone on, off, or when the phone is in standby mode.
Banner	Create your own personalized greeting that appears in the display when your phone is in standby mode.
Backlight	Choose settings for the LCD, Keypad, and Power Save.

Sub Menu	Function
Service LED	Turn the service LED on or off.
Auto Hyphen	With Auto Hyphen enabled, your phone automatically hyphenates phone numbers as they are entered.

2. Use the navigation key to highlight the display sub menu that you wish to edit, then press .
3. Use the navigation key to select from the sub menu options that appear in the display, then press . Your settings are saved.

Language

Change the display language from English to Spanish or vice versa using the language sub menu.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Language**. **English** and **Español** appear in the display.
2. Use the navigation key to select the language of your choice, then press .

Style

The **Style** sub menu allows you to choose the how the main menus are displayed.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Style**.
2. Use the navigation key to highlight **Basic** or **Dynamic**, then press .

Animation

Animation allows you to choose the multi-media or pictures that appear in your phone's display when you turn it on, turn it off, and while in standby mode.

CHOOSE POWER ON OR POWER OFF ANIMATION

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Animation**.
2. Use the navigation key to highlight **Power On** or **Power Off**, then press . An animation screen appear in the display with the current animation playing.
3. Use the left/right navigation keys to choose between **Power Off 1** or **Power Off 2**, then press . Your settings are saved.

CHOOSE THE WALLPAPER

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Animation**.
2. Use the navigation key to highlight **Wallpaper**, then press . **Main LCD** and **Sub LCD** appear in the display.
3. Use the navigation key to highlight your choice of LCDs, then press .
4. If you selected **Main LCD**, choose from the four available options of **Photo Gallery**, **Image Gallery**, **World Time**, and **Slide Show**, then press . If you selected **Sub LCD**, proceed to step 6.
5. Follow the prompts to select the wallpaper that will appear in the main LCD display while your phone is in standby mode.
6. If you selected **Sub LCD**, choose an image from the image gallery, then press .
7. Follow the prompts to select the wallpaper to appear in the sub LCD while your phone is in standby mode.

Banner

Create your own personalized greeting that appears in the display while your phone is in standby mode.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Banner**.



Press and hold  to erase an existing banner, if necessary.

2. Enter a word or short phrase to appear in your phone's display while in standby mode (Up to 15 characters).
3. Press  to the new banner.

Backlight

You can set the backlight for your display or keypad to remain on for a specified period of time or remain on as long as the flip is open.



Prolonged backlight use drains your battery faster.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Backlight**. The following sub menus appear in the display.

Option	Function
LCD	Set the time for which the LCD backlight remains on after a period of inactivity. Optional settings are 5, 10, 15 seconds, and Folder Open.
Keypad	Set the time for which the keypad backlight remains on after a period of inactivity. Optional settings are 5, 10, 15 seconds, and Folder Open.

Option	Function
Power Save	Unless the backlight setting for the LCD has been changed, the backlight dims after a minute of inactivity, and then turns off. With Power Save enabled, the backlight for the LCD is always dim. After one minute of inactivity, Power Save turns the backlight off.

2. Use the navigation key to highlight a sub menu.
3. Press  to enter the highlighted option's sub menu and change settings as desired.

Service LED

Use the Service LED sub menu to turn the Service LED on or off.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Backlight**.
2. Use the navigation key to highlight **On** or **Off**, then press . Your settings are saved.

Auto hyphen

Auto Hyphen automatically hyphenates phone numbers as they are entered. For example: 580-437-0000.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Auto Hyphen**. **On** and **Off** appear in the display.
2. Use the navigation key to highlight **On** or **Off**, then press . Your settings are saved.

Security

The **Security** sub menu allows you to lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, and other security options.

Lock Phone

Lock Phone restricts the use of your phone with the exception of outgoing calls to 911 and the three user-programmed emergency numbers. Lock Phone allows you to answer calls, but you must unlock the phone to place calls (except to emergency and secret numbers).

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Security**. You're prompted to enter the lock code. The default lock code is the last four digits of your telephone number.
2. Enter the Lock Code. Several security sub menus appear in the display.
3. Press  for **Lock Phone**. The options listed in the following table appear in the display.

Option	Function
Never	The Lock Code is never required.
Power On	The Lock Code is required whenever you power up the phone.
Now	Your phone is returned to standby mode. The the Lock Code is required immediately to access any functions.

4. Use the navigation keys to highlight the desired option.
5. Press  to perform the function for the highlighted option.

Change Lock

The default lock code is generally the last four digits of your phone number. It is advisable to change the lock code to something other than default for security purposes.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Security**. You're prompted to enter the lock code. The default lock code is the last four digits of your telephone number.
2. Press  for **Change Lock**. You're prompted to enter the new lock code.
3. Enter the new lock code. You're prompted to confirm the new lock code.
4. Enter the new lock code again for confirmation.
5. A message appears in the display confirming that your lock code has been changed.



Your phone does not allow you to view the lock code for obvious security reasons. If you change the lock code, be sure to write down or memorize the new code.

Emergency

You can store up to three emergency numbers to your phone. Each number can be up to 32 digits in length. All emergency numbers can be dialed any time, even when your phone is locked or restricted.



Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 an audible tone is heard and an **Emergency** prompt appears in the display for the duration of the call.



Important! Emergency numbers do not work outside the United States.



Important! Because of various transmission methods, network parameters, and user settings used to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calls may not be available on all wireless networks at all times.



Important! DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

STORE EMERGENCY NUMBERS

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Security**. You're prompted to enter the lock code. The default lock code is the last four digits of your telephone number.
2. Enter the lock code, then press  for **Emergency #**.
3. Press  or  to open one of the empty emergency number slots for editing.



Emergency numbers cannot be edited.

4. Enter the emergency number (up to 32 digits in length).
5. Press  to save the number that you entered, or press the right soft key () **Cancel** to exit and return to the previous menu without changes.

CALL EMERGENCY NUMBERS IN LOCK MODE

1. In standby mode, enter the emergency number via the keypad.

2. Press  to place the call.

Voice Privacy

Voice Privacy allows you to prevent those you call from seeing your number in their display when receiving your call. Voice privacy options are **Standard** and **Enhanced**.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Security**. You're prompted to enter the lock code. The default lock code is the last four digits of your telephone number.
2. Enter the lock code. The security sub menu appears in the display.
3. Press  for **Voice Privacy**. **Standard** and **Enhanced** appear in the display.
4. Use the navigation key to highlight the **Voice Privacy** option of your choice, then press . Your settings are saved.

Restriction

Restriction allows you to restrict outgoing and incoming calls. You can also restrict access to your Phonebook.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Security**. You're prompted to enter the lock code. The default lock code is the last four digits of your telephone number.
2. Enter the lock code, then press  for **Restriction**.
3. Use the navigation key to select **Outgoing**, **Incoming**, or **Phonebook**, then press .
4. Use the navigation key to highlight **On** or **Off**, then press . Your settings are saved.

Delete Memory

Use **Delete Memory** to free up memory in your phone by deleting media, messages, entries in your Phonebook and more from one convenient location.



Marking and deleting any of the memory types listed below does not delete the memory type, only content within the type (such as messages or call logs).

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Security**. You're prompted to enter the lock code. The default lock code is the last four digits of your telephone number.
2. Enter the lock code, then press  for **Delete Memory**. The following memory types appear in the display.

Phonebook
Recent Calls
Messages
Multimedia
Planner
Voice Kit

3. Use the navigation key to highlight the memory type that you wish to mark for deletion, then press the left soft key () **Mark** or press the right soft key () **Back** to return to the selection list.
4. Continue to highlight and mark as many memory types for deletion as desired.
5. Press  **Delete** to delete the selected memory types. You're prompted for confirmation.

- Press the left soft key () **Yes** to delete the marked memory types or press the right soft key () **No** to return to the selection list.

Reset Phone

Reset Phone returns all setup options to their factory default.

- In standby mode, press the left soft key () **Menu**, then press  ,  **Security**. You're prompted to enter the lock code.
- Enter the lock code, then press  for **Reset Phone**. A prompt appears in the display asking if you wish to restore default settings (except for the Phonebook and Voice Dial).

PIN Menu



Fast Fact

PIN is an acronym for Personal Identity Number. This number is assigned by Verizon Wireless when you purchase the SIM card.

The PIN code protects the SIM card from unauthorized access. You're prompted to enter the PIN code for access to GSM specific features such as **Call Barring** and **Call Diverting**. The PIN code can be 4-8 digits in length. After three successive incorrect entries the PIN code is blocked and you'll be asked to enter the PIN2 code.

PIN CHECK

With PIN Check enabled, your phone requests entry of the PIN1 code upon power-up. The PIN1 code is assigned to your SIM card by Verizon Wireless.

- In standby mode, press the left soft key () **Menu**, then press  ,  . You're prompted to enter the

Lock Code. The **Lock Code** is by default the last four digits of your telephone number.

2. Enter the **Lock Code**. The **Security** sub menu appears in the display.
3. Press . The **PIN Menu** opens with **PIN Check** highlighted.
4. Press . **Enable** and **Disable** appear in the display.
5. Use the navigation key to highlight **Enable** or **Disable**, then press . You're prompted to enter the PIN1 code.
6. Enter the PIN1 code, then press . A confirmation message appears in the display.



If you enabled PIN Check, the next time you reset your phone (power-down then power-up), you'll be prompted for the PIN1 code. If you do not have the PIN1 code, you can only place emergency calls in GSM mode. However, you can power-up and use the phone in CDMA mode.

CHANGE PIN

Use the **Change PIN** sub menu to change the 4-8 digit PIN code assigned to your SIM card by Verizon Wireless.

1. In standby mode, press the left soft key () **Menu**, then press , . You're prompted to enter the **Lock Code**. The **Lock Code** is by default the last four digits of your telephone number.
2. Enter the **Lock Code**. The **Security** sub menu appears in the display.

3. Use the navigation key to highlight the **Change PIN** sub menu, then press . You're prompted to enter your current PIN code.
4. Enter the current PIN code, then press . You're prompted to enter a new PIN code.
5. Enter the new PIN code, then press . You're prompted to enter the new PIN code again for confirmation.
6. Enter the new PIN code, then press . You're returned to the Security sub menu.

CHANGE PIN2

The PIN2 code is required for using features such as **Fixed Dialing** (FDN). If you enter the incorrect PIN number three times in succession, you'll need to enter the PIN2 code to unlock your phone. Use the **Change PIN2** sub menu to change the PIN2 code assigned to your SIM card by Verizon Wireless.



Important! If you enter the wrong PIN2 code three times in succession, you are prompted for the PUK (personal unblocking key) code. The personal unblocking key code can only be obtained from Verizon Wireless.

1. In standby mode, press the left soft key () **Menu**, then press , . You're prompted to enter the **Lock Code**. The **Lock Code** is by default the last four digits of your telephone number.
2. Enter the **Lock Code**. The **Security** sub menu appears in the display.
3. Use the navigation key to highlight the **Change PIN2** sub menu, then press . You're prompted to enter your current PIN2 code.

4. Enter the current PIN2 code, then press . You're prompted to enter a new PIN2 code.
5. Enter the new PIN2 code, then press . You're prompted to enter the new PIN2 code again for confirmation.
6. Enter the new PIN2 code, then press . You're returned to the **Security** sub menu.

FDN Mode

FDN mode (Fixed Dialing Numbers) restricts the use of your phone for outgoing calls (except for emergency numbers).

1. In standby mode, press the left soft key () **Menu**, then press , . You're prompted to enter the **Lock Code**. The **Lock Code** is by default the last four digits of your telephone number.
2. Enter the lock code. The Security sub menus appear in the display.
3. Press  for **FDN Mode**. **Enable** and **Disable** appear in the display.
4. Highlight **Enable** or **Disable**, then press . You're prompted for the PIN2 code. The PIN2 code is assigned to your SIM card by Verizon Wireless.
5. Enter the PIN2 code, then press . The phone powers down, then powers up with the selected mode enabled (or disabled).

Call Options

The **Call Options** sub menu allows you to select the method for answering incoming calls, redial options, set data rates for data calls, and more.

Answer options

Answer Options contains the sub menus **Call Answer** and **Auto Answer**. **Call Answer** allows you to select the method for answering incoming calls, while **Auto Answer** allows you to select the delay time before a call is picked up.

CALL ANSWER

1. In standby mode, press the left soft key () **Menu**, then press , , . The following **Answer Options** appear in the display.

Call Answer

Auto Answer

2. Press  for **Call Answer**. The following options appear in the display.
3. Use the navigation key to highlight the method you wish to use for answering calls (**Send Key**, **Folder Open**, or **Any Key**) then press .

AUTO ANSWER

If you wish to have calls answered automatically, use **Auto Answer** to select the delay time before a call is picked up.

1. In standby mode, press the left soft key () **Menu**, then press , , . The following **Answer Options** appear in the display.

Call Answer

Auto Answer

2. Press  for **Auto Answer**.
3. Use the navigation key to highlight **After 1 Sec**, **After 3 Sec**, or **After 5 Sec**, then press . Select **Off** or press  to return to the **Answer Options** sub menu without selecting a delay.

Auto Retry

Use **Auto Retry** to automatically redial busy numbers after a preset period of time.

1. In standby mode, press the left soft key () **Menu**, then press , , .
2. Use the navigation key to highlight **After 10 Sec**, **After 30 Sec**, or **After 60 Sec**, then press . Select **Off** or press  to return to the **Call Options** sub menu without selecting a retry option.

Data

Use the **Data** sub menu to set the baud rate for data calls and to set when data mode is to be used.



The **Data** feature does not function while the phone is in **Int'l (GSM)** mode.

1. In standby mode, press the left soft key () **Menu**, then press , , . The following sub menus appear in the display.

Auto Detect (Select when your phone uses data mode)

Baud Rate (Selects the rate of data transfer for data calls)

TO CONFIGURE AUTO DETECT

2. Press  for **Auto Detect**.
3. Use the navigation key to highlight **Data For Next Call** or **Data Until Powered Off**, then press . Select **Data Off** or press  to return to the **Data** sub menu without configuring **Auto Detect**.

TO SELECT THE BAUD RATE

- Press  for **Auto Detect**.
- Use the navigation key to highlight **Auto**, **19200**, **38400**, **57600**, **115200**, or **230400**, then press . Press  if you wish to return to the **Data** sub menu without selecting the baud rate.

Airplane Mode

Airplane Mode turns all RF functions for your phone off, thereby allowing you to use non-phone features in situations such as while on an airplane.

- In standby mode, press the left soft key () **Menu**, then press , , . A message briefly appears in the display informing you that the phone will reset after you make a selection.
- Use the navigation key to highlight **On** or **Off**, then press . If you select **On**, a message appears in the display alerting you that all call functions will be disabled.
- Press the left soft key () **Yes** to enter **Airplane Mode**, or press the right soft key () **No** to exit and return to the **Airplane Mode** selection sub menu.

If you selected **Yes**, the phone restarts and all RF functions for your phone are disabled.

Roam Option

Use Roam Option to select roaming preferences if you move in and out of your home network.

- In standby mode, press the left soft key () **Menu**, then press , , . The following roaming options appear in the display.

Home Only
Automatic A
Automatic B

2. Use the navigation key to highlight the roaming option of your choice, then press . Your settings are saved.

TTY Mode

Your phone is fully TTY/TDD compatible. TTY/TDD equipment is connected to your phone through the headset connector on the left side of the phone. TTY/TDD must be enabled before you can use your phone with a TTY/TDD device.

1. In standby mode, press the left soft key () **Menu**, then press , , . You're prompted to enter the TTY password.
2. Enter the TTY password. The default TTY Password is , , ,  (or #TTY). **Enable** and **Disable** appear in the display.
3. Use the navigation key to highlight your selection and press . You're returned to the **Call Options** menu and the TTY icon () appears in the top of the display.

Shortcut List

Shortcut List allows you to select from up to seven applications that appear in the display when you press the up navigation key.

1. In standby mode, press the left soft key () **Menu**, then press , . The **Shortcut List** sub menu appears in the display.
2. Press () **New**. A list of applications and menus appears in the display.

3. Use the navigation key to highlight a menu or application, then press .
4. If a list of sub menus appears in the display, use the navigation key to highlight the desired sub menu, then press . The shortcut is added to the list.

Location

The **Location** (GPS) setting identifies your location to the network. You can fully enable this setting or set GPS to work only in the case that you dial 911 from your phone.



The **Data** feature does not function while the phone is in **Int'l (GSM)** mode. Check with Verizon Wireless to determine if/when/where location-based services are available.

1. In standby mode, press the left soft key ( **Menu**), then press ,  for **Location**. The **Location** settings listed in the following table appear in the display.

Location setting	Function
Location On	GPS location setting is on wherever the feature is available.
911 Only	GPS location setting is on whenever you dial 911 only.

2. Use the navigation key to highlight an option.
3. Press  to select the highlighted setting. You're returned to the **Settings** menu.

GSM Services

The a790 is a global phone designed to function in numerous countries using CDMA and GSM technology. CDMA mode is designed for operation within the United States, while GSM (Int'l) mode is designed for operation outside the United States, in countries with compatible networks. Enhanced security options and portability of subscriber information are two notable differences in GSM mode versus CDMA. Keep in mind that services specific to GSM cannot be accessed while in Verizon (CDMA) mode, and vice versa.



Your phone must be in Int'l (GSM) mode for the following menu options to be available.

Call Diverting

Call Diverting allows you to select from up to four options (or conditions) to forward your calls to another number. You'll need to enter your PIN code to enable this feature.

1. In standby mode, press the left soft key ( **Menu**), then press ,  for **GSM Services. Call Diverting** is highlighted.
2. Press . The sub menus in the following table appear in the display.

Sub Menu	Function
Divert Always	Forward all calls to the specified number.
Busy	Forward calls to the specified number only when busy.
No Reply	Forward calls to the specified number when there is no reply.
Unreachable	Forward calls to the specified number when unreachable.

Sub Menu	Function
Cancel All	Cancel all call forwarding.

3. Use the navigation key to highlight the desired call diverting option, then press .
4. Follow the on-screen instructions to complete the desired **Call Diverting** request.

Call Barring

Call Barring allows you to restrict specific types of incoming and outgoing calls for your phone. This is useful if you allow someone to use your phone for a short period of time.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **GSM Services. Call Diverting** is highlighted.
2. Use the navigation key to highlight **Call Barring**, then press . The sub menus in the following table appear in the display.

Sub Menu	Function
All Outgoing	Disable all outgoing calls
International	Disable International calls only.
International Except To Home	Disable International calls, except those calls to your home.
All Incoming	Disable all incoming calls.
In While Abroad	Disable all international calls while out of your home service area.
Cancel All	Cancel all Call Barring.
Change Pass-word	Change the password for Call Barring.

3. Use the navigation key to highlight the sub menu you wish to activate, then press .

4. Follow the on-screen instructions to complete the selected sub menu function.

Call Waiting

Call Waiting notifies you of an incoming call even while you're in a call. You can then accept, reject, or ignore the incoming call. Unlike **Call Waiting** in Verizon (CDMA) mode, **Call Waiting** in GSM mode must first be activated.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **GSM Services**. **Call Diverting** is highlighted.
2. Use the navigation key to highlight **Call Waiting**, then press .
3. **Still in development. GSM network is unavailable.**

Select Network

Use the **Select Network** sub menu to specify automatic or manual selection of the GSM or CDMA network. If set to **Automatic**, your phone automatically switches to the network that is supported in your locale. If you frequently travel abroad, it's probably best to have this selection set to **Automatic**.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **GSM Services**. **Call Diverting** is highlighted.
2. Use the navigation key to highlight **Select Network**, then press . **Automatic** and **Manual** appear in the display.
3. Use the navigation key to select manual or automatic network selection, then press . Your settings are saved.

Caller ID

Caller ID displays the number (and name, if in your Phonebook) of incoming calls. Unlike Verizon (CDMA) mode, Caller ID in GSM mode must be enabled by the user.

1. In standby mode, press the left soft key ( **Menu**), then press ,  for **GSM Services. Call Diverting** is highlighted.
2. Use the navigation key to highlight **Caller ID**, then press .
3. **Note from author: Still in development. GSM network is unavailable.**

Closed User Group (CUG)

Closed User Groups are a GSM service that specifies who you can call and who can call you. Typical advantages of Closed User Groups are their cost effectiveness and security. You may subscribe to up to 10 Closed User Groups. The Closed User Group subscriptions listed in the following table are generally available through your GSM Service Provider.

CUG Service	Description
CUG Calls Only	Calls are only permitted to others within your Closed User Group.
CUG With Incoming Access	Can receive calls from others outside of the Closed User Group.
CUG With Outgoing Access	Can place calls to others outside of the Closed User Group.
CUG with Incoming and Outgoing Access	Can place and receive calls outside of the Closed User Group.

CUG ACTIVATION

To activate a Closed User Group, you must have GSM service enabled.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Closed User Group**. The options listed in the following table appear in the display.

Option	Function
Index List	Allows you to enter a Closed User Group, which can then be activated.
Outside Access	Turn Outside Access on or off. Outside access allows you to place calls to people outside of the Closed User Group.
Default Group	Turn the network default Closed User Group on or off.
Deactivate	Deactivates the currently active Closed User Group.

2. Use the navigation keys to highlight the desired option.
3. Press  to open the highlighted option and make changes as desired.

Phone Info

The Phone Info sub menu allows you to view the software and hardware information for your phone.

1. In standby mode, press the left soft key () **Menu**, then press , . The software and hardware information for your phone appears in the display.

Planner

Planner is a suite of PIM applications such as a Calendar, To Do List, and Memo Pad. Schedule events, set reminders, create to do lists, perform calculations, and more with the digital assistant functionality of this useful feature.

Open the planner

1. In standby mode, press the left soft key () **Menu**, then press . The **Planner** menu opens and the applications in the following table appear in the display.

Sub menu	Function
Calendar	Schedule events for any day by indicating each event's start and end time.
To Do List	Enter up to 50 tasks and set an alarm for each.
Alarm Clock	Set an alarm for any day and time. The alarm can be set to activate even if the phone is off.
Time/Date	Set the system time and date.
Memo Pad	Enter a memo, which can be viewed at any time. Memos do not have an alarm setting.
World Time	Set the local time and the time for one other time zone anywhere in the world.
Calculator	Use the calculator to perform numeric calculations.

2. Use the navigation key to highlight an application. Press  to enter the highlighted application's sub menu. The following sections provide a detailed description on each application and its function.

Calendar

Schedule up to eight events for any day by indicating each event's start and end time. Set alarms for events so that you can be alerted before an event takes place. Events scheduled for future dates automatically appear on your **Today** events schedule for the present day.

Add a new event

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Calendar**. The calendar appears in the display with the current date highlighted.
2. Press the left soft key () **Option**. A pop-up menu appears in the display that contains the menu items in the following table.

Menu Item	Function
New Event	Schedule a new event.
Week View	View the current week.
Go To Date	Go to any date that you specify.
Go To Today	View today's events.
Del Past Event	Select a past event to delete.
Delete All Events	Delete all events in your calendar.

3. With **New Event** highlighted, press . The **New Event** screen appears in the display with the fields contained in the following table.

Field	Function
Subject	Select from nine subjects to describe the event.
Start Date	Enter the start date for the event.
Start Time	Enter the start time for the event.
AM/PM	Select from A.M. or P.M. for the start time.
End Date	Enter the end date for the event.

Field	Function
End Time	Enter the end time for the event.
AM/PM	Select from A.M. or P.M for the end time.
Occurs	Select the frequency of the event.
Alarm	Turn the alarm for the event on or off.
Reminder	Set a reminder up to one day before the event.
Melody	Select a melody for when you're alerted of the event.
Memo	Enter a description of the event.

- Fill in and select event details using the navigation keys and the alpha-numeric keypad.
- Press . The event is saved.

View an event

- In standby mode, press the left soft key () **Menu**, then press ,  for **Calendar**.
- A calendar appears in the display with the current date highlighted. The month and year appear above the calendar.
- Use the navigation keys to highlight the date that contains the event you wish to view. If the event date is in another month, press the left soft key () **Option**.



Tip: Use the volume key to browse move between months in the calendar.

- Use the navigation key to highlight **Go To Date**, then press .
- Enter the date that you wish to go to, then press . The event date is highlighted.
- Press  to view event details for the date.

7. Press the left soft key () **Option**. A pop-up menu appears in the display.
 - To edit the event, press .
 - To enter a new event, press .
 - To move the event, press .
 - To delete the current event, press .
 - To delete the day's events, press .
 - In Calendar view, press the volume up key to view previous months.
 - In Calendar view, press the volume down key to view future months.

To Do List

The **To Do List** allows you to create a task list. You can store, prioritize and manage up to twenty **To Do List** tasks.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **To Do List**.
2. Press the left soft key () **New**.
3. Enter details of the task using the keypad. Press the left soft key () **Option** to display a pop-up menu.
4. Use the left/right navigation key to display the following text entry mode options.

ABC

Symbol

123

T9 Word

5. Once the desired text entry mode appears in the pop-up menu, press , or press  to exit the pop-up menu.

- When you're finished entering details for the task, press . The task is saved.

Add, Edit, and Erase To-Do List tasks

- In standby mode, press the left soft key () **Menu**, then press ,  for **To Do List**.
- Use the navigation key to browse tasks in your **To Do List**. Events are presented in order of date and priority.
- Press the left soft key () **Option** while viewing your **To Do List**. A pop-up menu with the options listed in the following table appears in the display.

Option	Function
New To Do	Add a new task to the To Do List.
Edit	Edit the task currently appearing in the display.
Delete	Erase the highlighted task.
Mark & Delete	Mark and erase multiple tasks.

- Use the navigation key to highlight an option.
- Press  to perform the function for the highlighted option.

Alarm clock

Your phone has an alarm clock that can be set to go off once, or recur daily at a specific time. Once set, the alarm clock is easy to change or turn off completely.

- In standby mode, press the left soft key () **Menu**, then press ,  for **Alarm Clock**. The following options appear in the display.

Alarm 01

Alarm 02

Alarm 03

Alarm 04

2. Highlight an alarm that you wish to activate, then press . Enter information for the fields contained in the following table to schedule the alarm.

Alarm field	Function
Title	Enter a subject title for the alarm. This is what appears in the display when the alarm is activated.
Time	Enter a time for the alarm.
AM/PM	Select whether the alarm occurs in the morning or afternoon.
Day	Select the frequency for the alarm.
Set	Turn the alarm on or off.
Melody	If a melody is chosen for the alarm. Choose the melody from preloaded sounds or those downloaded from Get It Now.

When an alarm sounds

An animated alarm clock appears in the display and the specified alert sounds.

- Press the left soft key () **Snooze** to silence the alarm for five minutes.
- Press the right soft key () **Stop** to disable the alarm. If the phone was off when the alarm was activated, you're prompted to turn the power on or leave the power off. Press the left soft key () **Yes** to turn power on. Press the right soft key () **No** to leave the power off.
- If the alarm was set as a **Daily** alarm or for Monday through Friday, the alarm icon remains in the top of the display.
- If the alarm was set as a **Once** only alarm, the alarm icon disappears from the top of the display.

Disable an alarm before it sounds

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Alarm Clock**. The following options appear in the display.

Alarm 01 Alarm 02 Alarm 03 Alarm 04

2. Use the navigation key to highlight the alarm you wish to disable, then press the left soft key () **Option**. A pop-up menu appears in the display.
3. Press  to reset the highlighted alarm or press  to reset all alarms.

Time/Date

Use the Tim/Date function to set your phone's date format.



The date format can only be changed in CDMA mode.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Time/Date**.
2. Use the left/right navigation keys to select the date format.
3. Press  to save your settings.

Memo pad

Create and store notes in **Memo Pad**. You can't prioritize or set an alert for stored notes. Return to **Memo Pad** anytime to review and edit your notes.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Memo Pad**.
2. If you have any stored memos, they appear as a list in the display. If this is your first time in **Memo Pad**, you're prompted to add a new memo.
3. To add a new memo, press the left soft key () **New**, then enter the memo using the keypad.
4. While entering a memo, press the left soft key () **Option** to display a pop-up menu with the following text entry modes.

ABC

Symbol

123

T9 Word

5. Use the left/right navigation keys to select the other available text entry modes of **123**, **T9 Word**, and **Symbol**, or press  to exit the pop-up menu.
6. When you're finished entering details for the memo, press . The memo is saved.

Review, add, edit, and erase memos

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Memo Pad**. If you have any stored memos, they appear as a list in the display.
2. Press the left soft key () **Option** while a memo is highlighted. A pop-up menu with the following options appears in the display.

Option	Function
New Memo	Add a new memo to Memo Pad.
Edit	Edit the memo currently highlighted or appearing in the display.
Delete	Erase the memo currently highlighted or appearing in the display.
Mark & Delete	Mark and then delete selected memos. This option only appears if you have more than one memo stored.

3. Use the navigation key to highlight an option or press  to exit the pop-up menu.
4. Press  to perform the function for the highlighted option.

World Time

World Time allows you to view the time of day or night in any part of the world.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **World Time**. A world map appears in the display.
2. Use the navigation key to display the city (or cities), date, and time that you wish to view. The following cities are supported.

Alaska	San Francisco	Denver/Arizona
Chicago/Mexico	New York	Caracas
Brasilia	Mid Atlantic	Cape Verde
London	Paris/Berlin	Athens/Helsinki
Moscow	Abu Dhabi	Tashkent
Alma-ata	Bangkok/Jakarta	Hongkong/Beijing
Seoul/Tokyo	Guam/Sydney	Okhotsk
Wellington	Samoa/Midway	Honolulu, Hawaii

Enable Daylight Savings Time (DST)

1. With your local time selected on the World Time map, press the left soft key () **Option**. A pop-up menu appears in the display.
2. Use the navigation key to select **Day Light Saving**, then press .
3. Use the navigation key to highlight **On**, then press . Daylight Savings Time is enabled.

Calculator

You can perform calculations, including addition, subtraction, multiplication and division using your phone.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Calculator**. The **Calculator** appears in the display.
2. Enter the first number in your equation using the keypad.
(Numbers can be up to nine digits long.)
 - Press the left soft key () **Options** to display a pop-up menu which allows you to enter a decimal point or parenthesis.
 - Press  to change the sign for a number to a negative.
3. Use the navigation key to set the type of calculation that you wish to perform. Your choices are as follows.
 - **[+]** Addition
 - **[x]** Multiplication
 - **[-]** Subtraction
 - **[÷]** Division
4. Use the keypad to enter the second number into your equation.
5. Press  to perform the calculation and view the result.

Voice Kit

Voice recognition capabilities of the SCH-a790 are exceptional due to advanced, speaker-independent technology. This means there is no longer a need to “train” your phone to understand your voice. You can finally use your voice *in a natural manner* to dial numbers, lookup contacts, view your schedule, and much more. Please read the following content carefully to learn the most about this useful feature.

The Voice Kit menu

The **Voice Kit** menu allows you to configure the voice recognition settings for your phone.

1. In standby mode, press the left soft key () **Menu**, then press  for **Voice Kit**. The following Voice Kit sub menus appear in the display.

Command	Function
Quick Dial	Record, review, and delete Quick Dial entries.
Voice Memo	Record, review, and delete Voice Memos.
Voice Setting	Setup and configure Voice Kit voice recognition settings.

2. Use the navigation key to highlight the desired **Voice Kit** sub menu.
3. Press  to enter the highlighted sub menu. The following three sections describe each **Voice Kit** sub menu in greater detail.

Quick Dial

Quick Dial lets you dial a person by saying the name you've recorded for that person. Before you can use Quick Dial, you'll need to record the names that you wish to use.

Tips for recording Quick Dial names

- Record names in a quiet area.
- Choose a name that is not too long or short.
- Speak clearly and distinctly when you record.
- Avoid recording names that sound alike.

Record a name or phrase for Quick Dial

1. In standby mode, press the left soft key () **Menu**, then press  for **Voice Kit. Quick Dial** is highlighted.
2. Press . **Record** is highlighted.
3. Press .

The phone prompts, "**Say the name.**"

4. Wait for the beep and then say the name.

The phone plays back the name, and then prompts, "**Did the recording sound OK?**"

5. Press the left soft key () **Yes** to accept the recording, or press the right soft key () **No** to reject.



You can also say "Yes" or "No" in response to the phone prompt "**Did the recording sound OK?**"

6. If you pressed or said Yes, you're prompted to enter the phone number.
7. Enter the phone number, then press . You're prompted to enter the name.

8. Enter the name, then press . The entry is saved.

Use Quick Dial

Once you've recorded names and their associated numbers for Quick Dial, you can access recorded entries using your voice.

1. In standby mode, press and hold  until the phone prompts, **"Please say a command."** Say **"Quick Dial"** into the microphone to launch Quick Dial.

The phone prompts, **"Who would you like to call?"**

2. Say the name of the person as it was recorded when you set up Quick Dial.

The phone prompts, **"Connecting,"** and the number is dialed.

Review your Quick Dial list

1. In standby mode, press the left soft key () **Menu**, then press  for **Voice Kit**. **Quick Dial** is highlighted.
2. Press . **Record** is highlighted.
3. Press  for **Review**. The Voice Tag List of recorded names appears in the display.
4. Use the navigation key to highlight a name. Press  to display more information about the highlighted name.
5. Press the left soft key () **Option** to display a pop-up menu with the options listed in the following table.

Option	Function
Talk	Call the number for the voice tagged entry.
Delete	Delete the voice tag for the entry.
Play	Replay the recording for the voice tag.

6. Use the navigation key to highlight the desired option.
7. Press  to perform the function for the highlighted option.

Erase all Quick Dial names

You can erase all recorded Quick Dial names and their associated numbers from one easy location.

1. In standby mode, press the left soft key () **Menu**, then press  for **Voice Kit. Quick Dial** is highlighted.
2. Press , then press  for **Delete All**. You're prompted to confirm the deletion.
3. Press the left soft key () **Yes** to delete all Quick Dial names, or press the right soft key () **No** to return to the Quick Dial sub menu.
4. If you pressed the left soft key () **Yes**, you'll receive a confirmation message that all names were deleted.

Voice Memo

You can use your phone to record voice memos for later playback. You can also record the caller on the other end of the line during a phone conversation.

- The maximum number of voice memos is 10.
- The maximum number of voice answers is 10.
- The maximum length for a single voice memo or voice answer is 60 seconds.

Record a voice memo

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Record**. The phone prompts, "Please record after the beep."



Tip: In standby mode, press and hold  until the phone prompts, **“Please say a command.”** Pronounce **“Voice Memo”** into the microphone to launch Voice Memo.

- Wait for the beep, then start speaking. As it is recording the phone displays a countdown timer that shows the seconds remaining for the recording.
- To pause the memo, press the left soft key () **Pause**. When a memo is paused, press the left soft key () **Resume** to resume recording.
- Press the right soft key () **Stop** once you're finished recording.
- Once you've stopped recording, press the left soft key () **Option**. A pop-up menu appears in the display with options listed in the following table.

Option	Function
Save	Save the voice memo you just recorded.
Review	Review (replay) the voice memo you just recorded, as well as view details such as the time and date it was recorded.
Rerecord	Rerecord over the voice memo you just recorded.

- Use the navigation key to highlight an option. Press  to perform the function for the highlighted option.

Review and Erase Voice Memos

If you've saved any memos, you can review them anytime.

- In standby mode, press the left soft key () **Menu**, then press , , . A list of saved memos appears in the display.
- Use the navigation key to highlight the memo you wish to review, then press . The memo title, length, size, and time/date the recording took place appear in the display.

3. Press the left soft key () **Option** to **Play**, **Rename**, or **Delete** the memo.

Erase all voice memos at one time

1. In standby mode, press the left soft key () **Menu**, then press , , . **Delete all?** appears in the display.
2. Press the left soft key () **Yes** to delete all voice memos, or press the right soft key () **No** to return to the previous menu.
3. If you pressed the left soft key () **Yes** to **Delete All**, a confirmation message appears in the display and you're returned to the Voice Memo sub menu.

Voice Setting

Use the **Voice Setting** sub menu to select the method for Voice Kit activation, or to adapt and reset voice recognition for digits to your voice.

1. In standby mode, press the left soft key () **Menu**, then press ,  for **Voice Setting**. The sub menus in the following table appear in the display.

Sub Menu	Function
Voice Kit Active	Select the method for Voice Kit activation.
Adapt Digits	Adapt Voice Kit recognition (for digits) to your voice
Reset Digits	Reset Voice Kit recognition settings to default.

2. Use the navigation key to highlight a sub menu, then press  to enter the sub menu and configure settings.

Voice Signal

Voice Signal commands give you the power to launch applications using your voice. Simply say a command at the prompt to record memos, open the Phone Book, open the browser, and more.

1. In standby mode, press and hold .

After a brief pause, “**Say a Command**” appears in the display and is pronounced through the speaker.

2. After the phone beeps, say the name of the command that you wish to perform. The Voice Signal commands listed in the following table are available.

Command	Function
Quick Dial	Lets you dial a person by saying the name you’ve recorded for that person. Before you can use Quick Dial, you’ll need to record the names that you wish to use.
Digit Dial	Lets you dial any valid seven-digit or ten-digit phone number by speaking the number naturally, without pausing between digits.
Voice memo	Record voice memos for later playback. You can also record the caller on the other end of the line during a phone conversation.
Name Dial	Lets you dial any person in your Phone book by pronouncing that person’s name. It automatically voice activates every contact in your Phone book without the need to record or “train” names before using them.
Phone Book	Lets you retrieve contact information for any person in your Phone Book by pronouncing the name of that person.
Browser	Opens the browser to the Verizon Wireless home page.

More information on the commands listed in the previous table is available in the following sections.

Quick Dial

Quick Dial lets you dial a person by saying the name you've recorded for that person. Before you can use Quick Dial, you'll need to record the names that you wish to use. See "Quick Dial" on page 140 for information on setting up and using Quick Dial.

Digit Dial

Digit Dial lets you dial any valid seven-digit or ten-digit phone number by speaking the number naturally, without pausing between digits.

Digit Dial Tips

- **Digit Dial** works best in quieter environments.
- When pronouncing a number, speak at a normal speed, saying each digit clearly. There is no need to pause between digits.
- The phone recognizes the digits **one, two, three, four, five, six, seven, eight, nine, zero**, and **oh** (zero). It doesn't recognize numbers such as "one eight hundred" for "1-800." Instead, say "one eight zero zero," or "one eight oh oh."
- The phone recognizes only valid seven or ten-digit North American phone numbers, optionally preceded by the digit "1."
- If you are experiencing frequent problems with **Digit Dial** recognizing you, try adapting it to your voice, which can greatly improve accuracy. See "Digit Dial Adaptation" on page 147 for more information.

Use Digit Dial

1. Press and hold .

“**Say a Command**” appears in the display and is pronounced through the speaker.

2. Say “**Digit Dial**.”

You’re prompted to say the number.

3. Pronounce the number naturally and clearly.

The phone may display one or more numbers on the screen and prompt you for confirmation.

4. If the phone asks “**Did you say**” followed by the correct number, say “**Yes**.” The phone dials the number.

5. If the phone asks “**Did you say**” followed by any incorrect numbers, say “**No**.”

If there are other choices, the phone prompts you with them next.

Digit Dial Adaptation

Digit Dial works well for most people without special adaptation. However, people with strong accents or unique voice characteristics may receive better results after adapting the system to match their voices.



You should adapt **Digit Dial** only if the system is frequently unable to recognize your speech. After you adapt **Digit Dial**, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the phone to factory defaults.

Adaptation involves recording several digit sequences to adapt the system to the unique properties of your voice. The adaptation process takes about three minutes.

TIPS FOR ADAPTING DIGIT DIAL

- Adapt digits in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, and say each digit distinctly.
- If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that spoils the recording, re-record that sequence.

ADAPT DIGIT DIAL TO YOUR VOICE

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Adapt Digits**. A short description of the Adapt Digits process appears in the display.

2. Read the description until you are comfortable to proceed, then press .

Your phone displays the first digit sequence and **“Please say”** plays through the speaker followed by the four digits appearing in the display.

3. Wait for the beep and repeat the digits *using your normal tone of voice*.
4. After a moment, the phone plays back the recording and prompts **“Did the recording sound ok?”** If the recording was good, say **“Yes.”** If you need to re-record, say **“No.”**
 - If you say **“No,”** the phone prompts you to pronounce the digits again. Wait for the beep and then re-record. Repeat this step until you’re satisfied with the recording.
5. After confirming that the recording sounds ok, repeat the recording process with the next set of digits. After six sets of digits, the phone asks whether you want to do more adaptation. Answer **“Yes.”**

6. Repeat steps 4-6 for another six sets of digits. After the sixth set of digits, the phone indicates that adaptation is complete.

Reset Digit Dial Adaptation

You can erase an adaptation and reset **Digit Dial** to its original state.

1. In standby mode, press the left soft key () **Menu**, then press , ,  for **Reset Digits**. A confirmation message appears in the display asking if you are ready to reset digit adaptation.
2. Press the left soft key () **OK** to proceed, or press the right soft key () **Back** to return to the **Voice Setting** sub menu.
3. If you pressed the left soft key () **OK**, a confirmation message appears in the display that Digit Dial adaptation has been reset.

Voice Memo

Voice memo allows you to record voice memos for later playback. You can also record the caller on the other end of the line during a phone conversation.

1. In standby mode, press and hold .
“**Say a Command**” appears in the display and is pronounced through the speaker.
2. Say “**Voice Memo.**” The Voice Memo sub menus appear in the display.
3. See “Voice Memo” on page 142 for more information about Voice Memo.

Name Dial

Name Dial lets you dial any person in your Phone book by pronouncing that person's name. It automatically voice activates every contact in your Phone book without the need to record or "train" names before using them.

Place a call using Name Dial

1. Press and hold .

"**Say a Command**" appears in the display and is pronounced through the speaker.

2. Say "**Name Dial.**"

The phone prompts, "**Please say the name.**"

3. Say the full name of the person you wish to call, exactly as it is entered in your Phone book.
 4. The phone may display one or more names on the screen and prompt you to confirm the name you spoke. If this happens, respond to the prompts with "**Yes**" or "**No**" as appropriate.
- If the name that you pronounced has more than one associated number, the phone displays the different locations (such as "home" or "work") and prompts you, "At which location?" In this case, pronounce the location that you wish to call. The phone dials the number.

Phonebook

Phonebook lets you retrieve contact information for any person in your Phone Book by pronouncing the name of that person.

1. In standby mode, press and hold . The phone prompts, **"Say a command."**
2. Say **"Phone Book."** The phone prompts you to say the name.
3. Pronounce the name of the person exactly as it is entered in your Phone Book.

You may be asked to confirm the name before the phone looks up the contact information for that name.

- In this case, the phone prompts **"Did you say,"** followed by the next name it recognizes.
- Respond with a **"Yes"** or **"No"** as appropriate.
- If there is no match found, the phone responds with **"Sorry, no match found."**

Browser

Browser launches the web browser for your phone by saying the command at the prompt.

1. Press and hold .
"Say a Command" appears in the display and is pronounced through the speaker.
2. Say **"Browser."**
"Connecting" appears in the display and your browser launches.

Usage guidelines: All about Performance and Safety

Getting the Most Out of Your Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key. Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Knowing Radio Frequency Safety

The design of your phone complies with updated NCRP standards described below.

In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

Maintaining Your Phone's Peak Performance



For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, return it to Verizon Wireless or call Customer Care for service.

Maintaining Safe Use of and Access to Your Phone

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN THE U.S.A., USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

Using Your Phone While Driving

Talking on your phone while driving is illegal in some states. Even where it's not, it can divert your attention from driving. Remember that safety always comes first.

When using your phone in the car:

- Get to know your phone and its features, such as speed dial and redial.
- When available, use a hands-free device.
- Position your phone within easy reach.
- Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic; if possible, place calls when you stationary or before pulling into traffic.

- Do not engage in stressful or emotional conversations that may divert your attention from the road.
- Dial , ,  to report serious emergencies. It's free from your wireless phone.
- Use your phone to help others in emergencies.
- Call special non-emergency wireless number when necessary.

Following Safety Guidelines



Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

To operate your phone safely and efficiently, always follow any special regulations in a given area. Turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from wireless phones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating systems and/or entertainment systems in motor vehicles. Check with the manufacturer or their representative to determine if these systems are adequately shielded from external RF signals. Also check with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.

Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, the U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off.

Construction crews often use remote-control RF devices to set off explosives.



Never transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

Turn off your phone when you're in any area that has a potentially explosive atmosphere. Although it's rare, your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death. These areas are often, but not always, clearly marked. They include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.

- Areas where the air contains chemicals or particles such as grain, dust or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.

Restricting Children's Access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

Caring for the Battery

The guidelines listed below help you get the most out of your battery's performance.

- Use only Samsung-approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32° F to 104° F (0° C to 40° C).
- Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Don't attempt to disassemble or short-circuit the battery.
- The battery may need recharging if it has not been used for a long period of time.
- It's best to replace the battery when it no longer provides acceptable performance. It can be recharged hundreds of times before it needs replacing.

Don't store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:

Less than one month:

32° F to 131° F (0° C to 55° C)

More than one month:

32° F to 104° F (0° C to 40° C)

Disposal of Lithium Ion (Li-Ion) Batteries



For safety, do not handle a damaged or leaking Li-Ion battery.

For safe disposal options of your Li-Ion batteries, contact your nearest Samsung-authorized service center.

Special Note: Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

Acknowledging Special Precautions and FCC

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Body-Worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Samsung supplied or approved carrying case, holster or other body-worn accessory. If you do not use a body-worn accessory, ensure that the antenna is at least one inch (2.5 centimeters) from your body when transmitting. Use of non- Samsung approved accessories may violate FCC RF exposure guidelines.

For more information about RF exposure, please visit the FCC website at www.fcc.gov.

This Model Phone Meets The Government's Requirements For Exposure To Radio Waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general

population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is ____W/kg and when worn on the body, as described in this user guide, the highest SAR value is ____W/kg (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various

phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID ____ **SCHA790S**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at

<http://www.wow-com.com>.



In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

FDA Consumer Update

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health

effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that it is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to a interagency working group of the federal agencies that have responsibility for different aspects of RF

safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Committee
- Occupational Safety and Health Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities about wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the wireless exposures that people get from these base stations are typically thousands of times lower than those they get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

What kinds of phones are the subject of this update?

The term “wireless phones” refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS”. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user’s head.

These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the

advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones" which have a base unit connected to the phone wiring in a house, typically operate at far lower per levels, and thus produce RF exposures far below the FCC safety limits.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could Accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glaucoma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or

other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions about long-term exposures, since average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health threat?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important

questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of its work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

How can I find out how much radio frequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radio frequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and other federal health and safety agencies. The FCC limit for exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg).

The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissue that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

What has FDA done to measure the radio frequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency energy (RF) exposure from wireless phones and other wireless hand sets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter.

This measurement is used to determine whether a wireless phone complies with safety guidelines.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance

between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed on late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless

phones so that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones
(<http://www.fda.gov/cdrh/phones/index.html>)
- Federal Communications Commission (FCC) RF Safety Program
(<http://www.fda.gov/oet/rfsafety>)
- International Commission on Non-Ionizing Radiation Protection
(<http://www.icnirp.de>)
- World Health Organization (WHO) International EMF Project
(<http://www.who.int/emf>)
- National Radiological Protection Board (UK)
(<http://www.nrpb.org.uk>)

CTIA Safety Information

Exposure to radio frequency signals

Your wireless hand held portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standard bodies:

- ANSI C95.1 (1992)
- NCRP Report 86 (1986)
- ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

Antenna care

Use only the specified of approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION:

For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality

and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving--driving safety is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against RF signals from your wireless phone.

PACEMAKERS

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a hand-held wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the pacemaker is turned on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.

- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

HEARING AIDS

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives.) *Optional for each phone manufacturer.*

OTHER MEDICAL DEVICES

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

VEHICLES

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

POSTED FACILITIES

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

Blasting areas

To avoid interfering with blasting operations, turn your phone OFF when in a “blasting area” or in areas posted: “Turn off two-way radio”. Obey all signs and instructions.

Potentially explosive atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

For vehicles equipped with an airbag

An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Owner's record

The model number, regulatory number and serial number are located on a nameplate inside the battery compartment.

Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SCHa790

Serial No.:

User Guide Proprietary Notice

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5,506,8655,544,1965,657,4205,101,501

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5,600,7545,778,338 5,228,054 5,337,338

5,710,7845,056,109 5,568,4835,659,569

5,490,1655,511,073

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Limited Warranty

1. What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. ("SAMSUNG") warrants the original ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for a period commencing on the date of purchase and continuing for the specified period of time after the date:

- Phone - 1 year
- Batteries - 1 year
- Leather Cases/Pouch - 90 Days
- Holster - 90 Days
- Other Phone Accessories - 1 year

2. What is Not Covered?

The limited warranty is conditioned upon proper use of Product by Purchaser. This limited warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical, or electromechanical stress, modifications of any part of the Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal usage; (d) malfunctions resulting from the use of Product in conjunction with the accessories, products, ancillary, or peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of product, or (g) Product used or purchased outside the

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3. What are SAMSUNG's Obligations?

During the applicable warranty period, SAMSUNG will repair or replace at SAMSUNG's sole option, without charge to purchaser, any defective component part of the phone or accessory. To obtain service under this limited warranty, purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable proof of sale showing the date of purchase, the serial number of Product, and the seller's name and address. To obtain information on where to deliver the phone or accessory, call your service provider or Samsung Customer Care at (888) 987-4357. Upon receipt, SAMSUNG will promptly repair the defective product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any product or replace a product with a rebuilt, reconditioned, or new product. Repaired products will be warranted for a period equal to the remainder of the original limited warranty on the original product or for 90 days, whatever is longer. All replaced parts, components, boards, and equipment becomes the property of SAMSUNG. If SAMSUNG determines that any product is

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